State of California

THE RESOURCES AGENCY

Department of Water Resources

BULLETIN No. 94-5

LAND AND WATER USE IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Volume I: Text

JULY 1965

HUGO FISHER
Administrator
The Resources Agency

EDMUND G. BROWN
Governor
State of California

WILLIAM E. WARNE
Director
Department of Water Resources

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FOREWORD

In 1956, the State Legislature declared:

> "... that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial use therein ..."

The Department of Water Resources was directed to conduct the necessary investigations to compile this information.

For purposes of these studies, the major drainage areas of the State were delineated. Division of these drainage areas into subareas, designated hydrographic units, was then made. The hydrographic units, which generally comprise watersheds of individual rivers, serve as the basic unit for collection and reporting of data.

The investigation is being conducted in two phases: (1) collection and publication of data on land and water use, and (2) determination and reporting of water resources and future water requirements. Collection and processing of basic data for both phases, by hydrographic units, is underway in much of the State.

The land and water use and land classification data are being published as the Bulletin No. 94 series, covering individual hydrographic units. These bulletins are distributed in preliminary editions and reviewed at public hearings. Final editions are then published including necessary revisions resulting from comments submitted at and following these hearings. These bulletins are an essential source of data for the subsequent water requirements studies, and when complete, will provide detailed data for the entire State.

This report is the final edition of Bulletin No. 94-5 following a public hearing held in Shasta-Scott Valleys Hydrographic Unit in April 1964.

The second phase of the investigation begins with an inventory of water resources in each drainage area, including streamflows, ground water, and water quality characteristics. Estimates of future water requirements, based on the land and

water use studies and projections of foreseeable future development, are now under way in some areas. Results of these water resources and water requirements studies will be published as Bulletin No. 142 series, each covering some or all of the hydrographic units within a drainage area.

These water resources and future water requirements bulletins will provide the basis for outlining the additional projects needed to meet the State's growing water needs. By interrelating the projected water requirements of all areas of the State with the available local supplies, by decades, a recommended sequence and timing for the State's future water development plans will be established. Besides thus forming the chief basis for the Department of Water Resources' all-important project staging program, the data on water resources and water requirements will be a most valuable guide for water development planning by federal and local, as well as state agencies.

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ATE OF CALIFORNIA—RESOURCES AGENCY
EPARTMENT OF WATER RESOURCES
O. BOX 388
CRAMENTO

WILLIAM E. WARNE, *Director*

May 11, 1965

Honorable Edmund G. Brown, Governor, and
Members of the Legislature of the
State of California

Gentlemen:

This is the final edition of Bulletin No. 94-5, presenting data relative to land and water use collected in 1958 and land classification in the Shasta-Scott Valleys Hydrographic Unit. In addition to the detailed material on land and water use, the report includes notes on the history, natural features, climate, and the economy of the unit. Maps of land use and land classification illustrate the text.

In March 1964 the preliminary edition of this bulletin was released, and in April 1964 its contents were discussed at a public hearing held in Yreka, California. Department of Water Resources personnel studied comments made at this hearing and revised the present edition accordingly.

This is one of a series of reports prepared by the Department under authority granted in Section 232 of the Water Code. The information contained in this series of reports, together with pertinent information from other sources, will be used in determining the amount of water which can be used beneficially in each area, and the extent of surplus or deficiency. This series, when completed, will form an invaluable reference for relating water resources of the State to the uses of its land resources.

Sincerely yours,

William E. Warne

Director

Attachment

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

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--------O--------

WILLIAM M. CARAH
Executive Secretary

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ACKNOWLEDGMENT

The Department of Water Resources gratefully acknowledges information contributed by the numerous water users and residents of the Shasta-Scott Valleys Hydrographic Unit and various agencies of the federal, state, and local governments.

Special mention is made of the helpful cooperation of the Siskiyou County Farm Bureau for its assistance in arranging and conducting reviews of information published herein.

The Department particularly appreciates the assistance of Mr. Sedgely D. Nelson, Siskiyou County Farm Advisor, with the collection of supplementary data following the public hearing.

PUBLIC HEARING
on
Preliminary Edition
of
Bulletin No. 94-5
Land and Water Use in Shasta-Scott Valleys
Hydrographic Unit

In accordance with Section 232 of the Water Code and the Department of Water Resources policy, a public hearing was held April 14, 1964, in the Siskiyou County Courthouse, Yreka, to receive comments on the preliminary edition of Bulletin No. 94-5, "Land and Water Use in Shasta-Scott Valleys Hydrographic Unit". Mr. Robert E. Foley, Chief, Special Investigations Section, Northern Branch, assisted by other Department personnel, conducted the hearing.

The hearing was attended by 21 individuals and representatives of governmental and local agencies. Comments and data leading to modification of the preliminary edition were submitted by the following persons:

Mr. George Marion Grieb, Hornbrook, California

Mr. M. V. Maxwell, Chairman, Siskiyou County Resources Board, Yreka, California

Mr. Sedgely D. Nelson, Farm Advisor, Yreka, California

Mr. Richard M. Berry, Manager, Scott Valley Irrigation District

CHAPTER I. INTRODUCTION

This bulletin presents basic data on land and water use in portions of Shasta River and Scott River watersheds. These areas, located in Siskiyou County, are designated herein as the Shasta-Scott Valleys Hydrographic Unit. The data cover present land and water use, classification of lands, systems used to divert surface waters, histories of diversions, apparent water rights pertinent to each diversion, purpose and extent of use of diversions, seasonal quantities of water diverted during 1958, and an estimate of present consumptive use of water in the unit. A general description and a brief history of the area are also included.

These basic data were gathered during the period 1956-59 in compliance with Chapter 61, Statutes of 1956, as amended by Chapter 2025, Statutes of 1959, and codified in Section 232 of the Water Code of the State of California. This legislation provides for an inventory of water resources and water requirements of the State. This is the fifth of a series of bulletins to be prepared under this authorization. The text of Section 232, with a discussion of its history and implications, is included in this bulletin as Appendix A.

These data will provide the basis for a future determination of the quantities of water reasonably required for future beneficial use within the Shasta-Scott Valleys Hydrographic Unit. Preliminary estimates of these quantities were published in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," Department of Water Resources Bulletins No. 58, "Northeastern Counties Investigation," and No. 83, "Klamath River Basin Investigation."

Final determinations of future water requirements will be based on estimates of: (1) future land use, (2) economic considerations, (3) population, (4) industrial and agricultural development, and (5) recreational needs.

The data presented herein have been reviewed in preliminary form by representatives of Siskiyou County, the Water Study Committee of the Siskiyou County Farm Bureau, and local water users. These groups submitted changes, which were reviewed in the field, and adjustments were made where warranted.

Organization of Report

This bulletin is basically a compilation of data in the form of tables and plates, with supplemental explanatory text. The report consists of five chapters, four appendixes, and three plates.

Chapter I contains a general description and brief history of the Shasta-Scott Valleys Hydrographic Unit. Chapter II, "Water Use," presents data on surface water diversion systems, related water rights information, measurements of quantities of water diverted, and an analysis of consumptive use. Chapter III, "Land Use," includes a history of land use within the unit, and tables of present land use. Plates prepared in connection with Chapters II and III delineate the areas of various present land uses and the locations of diversion systems. Chapter IV, "Land Classification," includes a tabulation of lands classified with regard to their potential for irrigated agriculture and for recreational purposes. Plates prepared for this chapter delineate the respective classes of land grouped into several major categories. Chapter V summarizes the report.

Appendix A presents the text of Section 232 of the California Water Code and a discussion of the pertinent responsibilities and work program of the Department of Water Resources. Appendix B is a bibliography of publications pertinent to the Shasta-Scott Valleys Hydrographic Unit. Appendix C presents a short summary of California water law, a review of litigation involving water rights in the unit, and a tabulation of applications to appropriate water in the unit. Appendix D presents details of six diversions which could not be adequately described in tables contained in Chapter II.

General Description of Area

Location

The Shasta-Scott Valleys Hydrographic Unit, which contains 1,456 square miles of central Siskiyou County, lies within the Klamath River Basin of the North Coastal area as shown on Plate 1. The unit includes the entire watershed of the Shasta River and that portion of the Scott River watershed which is above the gaging station "Scott River near Fort Jones," located 20 miles above the confluence of the Scott and Klamath Rivers. The unit is bounded by the watersheds of the Klamath River on the north, the Salmon River on the west, the Trinity and Sacramento Rivers on the south, and Butte Creek on the east.

The Shasta River heads in the Eddy Mountains and flows northerly for approximately 50 miles through Shasta Valley to its junction with the Klamath River. Major tributaries are Little Shasta River, Greenhorn Creek, Yreka Creek, Willow Creek, Parks Creek, Boles Creek, Beaughan Creek, and Carrick Creek.

The headwaters of the East Fork Scott River rise on China Mountain about 7 miles southeast of Callahan. The headwaters of the South Fork Scott River are the mountain lakes about 5 miles southwest of Callahan. These two forks merge at Callahan to form the Scott River, which flows northerly for approximately 30 miles along the east side of Scott Valley to Fort Jones, then westerly for 10 miles, where it leaves the valley and the hydrographic unit. Major tributaries to the Scott River are Shackleford Creek, French Creek, Etna Creek, Kidder Creek, McAdams Creek, and Moffett Creek.

For purposes of this report, the Shasta-Scott Valleys Hydrographic Unit has been divided into 20 subunits, shown on Plate 1. The area of each subunit is shown in Table 1.

Historical and Present Development

Like most of the American continent prior to the white man's arrival, Shasta and Scott Valleys were inhabited by Indians -- the Shastas in Shasta Valley, and the Ottitiewa Tribe in Scott Valley. The first known white man to enter the area was Gene Baptiste McKay, who camped near Sheep Rock on the eastern side of Shasta Valley in 1825. Peter Skene Ogden made the first recorded mention of Mt. Shasta on February 14, 1827. He called it Mt. Sastise, and the river Sastise River.

A party of Hudson's Bay Company trappers, under the guidance of Alexander Roderick McLeod, came down the Oregon Coast in 1827 and passed through Scott Valley on their way to the Sacramento Valley. They called it Beaver Valley, due to the large number of beaver inhabiting the area.

TABLE 1

AREA OF SUBUNITS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Subunit	Acres	Square miles
Ball Mountain	30,960	48
Callahan	33,440	52
Dwinnell Reservoir	147,140	230
East Fork	72,910	114
Eddy Creek	18,300	29
Etna	54,750	86
Grass Lake	17,260	27
Grenada	44,970	70
Kidder Creek	42,360	66
Little Shasta	92,780	145
Lower Scott Valley	53,670	84
McAdam Creek	35,620	56
Moffett Creek	43,570	68
Parks Creek	17,220	27
Shackleford Creek	23,710	37
South Fork	64,260	100
Stewart Springs	18,100	28
Weed	32,590	51
Willow Creek	49,260	77
Yreka Creek	39,030	61
TOTAL AREA	931,900	1,456

Several trapping and exploring expeditions passed through the two valleys, but the area remained almost unknown until the discovery of gold at Coloma. Major Reading's discovery of gold on the Trinity River led to the search for the precious metal on other northern streams. Would-be miners came from the Sacramento Valley, from the Pacific Coast up the Klamath River, and south through the mountains from Oregon.

In March of 1851, a party of miners led by Dr. F. G. Hearn, passing over the Siskiyou Mountains from Oregon to Scott Bar, was delayed at Ieka (Yreka) Creek after a three-day rainstorm. During the delay, Abraham Thompson noticed flecks of gold in the

roots of grass that were turned by the stock and washed by the rain. Upon panning, he found the topsoil to be extremely rich. The area became known as "Thompson's Dry Diggings," and within six months after Thompson took out the first gold, 5,000 people inhabited the area. Stores, saloons, and gambling houses became part of the settlement known as Shasta-Butte City. This name was later changed to Yreka when Siskiyou County was formed in 1852. As was found to be the experience in other gold mining areas, a decline in population followed the disappearance of the more readily accessible deposits. Population in Yreka, presently the largest town in the unit, dropped to about 1,000 people in 1870, and remained under 1,300 until about 1920. Since that time, the population increased to 2,500 in 1940, and 4,800 in 1960.

Weed, the second largest town in the unit, was established in 1900, when a large sawmill and lumber products manufacturing plant were constructed. Although some of the town's growth between 1900 and 1960 can be attributed to tourist trade passing through on U. S. Highways 99 and 97, the major changes in Weed's economic activity can be traced to changes in the output level of lumber products. Since World War II, this lumber mill has become a part of the largest forest products firm in the United States, the International Paper Company. During the past 15 years, a plywood plant and other manufacturing facilities have been added. Population has consequently increased from about 2,700 in 1950 to 3,200 in 1960.

Montague, the third largest town, is located 6 miles east of Yreka, in a dairying and stock raising community. The

surrounding farmland was developed prior to 1920 by a local land company, and agriculture of the area has not expanded greatly since that time. The population of Montague has increased slowly from 250 in 1890 to 500 in 1930, and to about 800 in 1960.

Edgewood, Gazelle, and Granada are small, unincorporated towns on the stage line of the old California-Oregon Trail.

The town of Etna was originally known as Rough and Ready Mills, for the flour mills established there in 1856. The town originally served as a supply center for the southern Siskiyou gold mining area. After the gold rush, Scott Valley developed into an agricultural area, and Etna became the agricultural center for the southern portion of the valley. Population of the town has fluctuated from about 360 in 1880, to 500 in 1900, to 380 in 1930, and about 600 in 1960.

Fort Jones, known variously as Ottitiewa, Wheelock, and Scottsburg, was established in 1851 as a hotel and stage station on the road from Yreka to Callahan. In 1862 the present name of Fort Jones was adopted from an army post 1 mile to the south, which had existed from 1852 to 1858 for protection against the Indians. Population has increased slowly from 250 in 1890 to about 500 in 1960.

At the junction of East and South Forks Scott River, a wayside inn was founded in 1851 for miners crossing the Scott Mountains from the south. This was the first stage station to be built in Siskiyou County. In 1854 the Callahan Ranch Hotel was built. The building is still in use today, containing the post office and general store. Although no precise estimate of the

Town of Yreka

City of Weed -- International Paper Company

population of the town proper has been made, school attendance indicates that Callahan has less than 100 residents.

During the 1850's, the community of Deadwood, then second in size only to Yreka, was formed at the junction of Deadwood and Cherry Creeks, 8 miles west of Yreka. This was a rich gold area and was mined extensively until 1900. Very little remains today to indicate that a prosperous mining community once occupied the site.

The Shasta-Scott Valleys Hydrographic Unit contains approximately 568,000 acres of commercial timberland, with a volume of about 8.8 billion board feet. About 70 percent of this acreage is in private ownership, the remainder being in either national forest, Indian lands, or public domain. Coniferous timber in the area is composed of three principal types: pine, Douglas fir, and true firs.

In 1958, two sawmills were operating in Scott Valley, with a combined capacity of 40 million board feet per year. In Shasta Valley, there were four sawmills with a total capacity of about 100 million board feet per year, a plywood plant with an output of 360 million square feet, and a lumber remanufacturing plant with a capacity of 30 million board feet per year.

Agriculture ranks next to lumbering in Siskiyou County's economy. About one-half of the county's total agricultural production comes from Shasta and Scott Valleys. Beef cattle production is the principal source of agricultural income in the hydrographic unit, followed in importance by hay and grain crops.

Gold mining, which was the initial stimulus to settling of the area in 1850, has continued to be an important element in

Shasta River Dam, Dwinnell Reservoir

Town of Montague

the unit's economy. Although production dropped off during World War II, it amounted to approximately $460,000 during 1955, and $260,000 during 1958. Sand and gravel output during 1958 was valued at about $230,000; miscellaneous stone at about $110,000; and the production of chromite was about $30,000.

Natural Features

The Shasta-Scott Valleys Hydrographic Unit consists of the two valleys and surrounding mountains. Shasta Valley, which has a north-south length of about 30 miles, and a maximum width of 15 miles, has an area of about 220 square miles. The valley varies in elevation from about 2,500 feet above sea level near Montague to about 3,000 feet near Edgewood. It is situated along the eastern slopes of the Klamath Mountains and includes a portion of the western slopes of the Cascade Range.

In the west-central portion of Shasta Valley, rocks typical of the Klamath Mountains geomorphic province give way eastward to the Tertiary and Quaternary volcanic rocks of the Cascade Range. The valley may be divided into four areas having distinct geologic and topographic characteristics. These are: (1) a discontinuous, gently eastward-sloping alluvial plain along the western portion of the valley; (2) an area of volcanic hillocks, ridges, and alluvial flats in the western and central parts of the valley; (3) a large, gently sloping recent basaltic lava flow, which covers most of the southeast quarter of the valley; and (4) dissected, gently sloping coalescing alluvial fans at the north end of the valley. The Cascade Range bordering the east

side of Shasta Valley consists of a north-south trending chain of dormant or extinct volcanoes. Mount Shasta, the highest volcanic cone in the chain, rises almost 2 miles above its base to 14,162 feet above sea level at the southeast end of Shasta Valley, to dominate the surrounding landscape.

Scott Valley, which has a north-south length of about 20 miles, is narrow at its southern section near Callahan, and widens to about 7 miles near Greenview. The area of the valley is approximately 100 square miles and, like Shasta Valley, varies in elevation from about 2,500 feet to 3,000 feet above sea level. Southeast of the valley are the Scott Mountains; to the west and south are the Salmon Mountains; and to the north and northwest are the Scott Bar and Marble Mountains. Formations surrounding and underlying the valley fill consist of bedrock of pre-Silurian to Jurassic and possibly Cretaceous age. The alluvial fill consists of unconsolidated Pleistocene and Recent deposits.

Soils of the Shasta and Scott Valleys differ markedly as to their mode of formation, physiographic configuration, age, and parent rock material. These differences are significant when considering the respective crop adaptabilities of the two valleys. The soils can be arranged into four groups: (1) recent and young alluvial soils; (2) morainic soils; (3) older valley-filling soils; and (4) upland or residual soils. All of these types are found in Shasta Valley, but Scott Valley is comprised largely of alluvial soils.

The soils of Shasta Valley have been severely modified by volcanic activity in the Mt. Shasta region. Many ridges and

Lower Scott Valley, Fort Jones

Town of Etna

mounds of extruded volcanic rocks have broken the valley into numerous small and sometimes isolated pockets of irrigable soils. Glacial action has left an extensive area of coarse-textured, stony morainic soils in the southern end of the valley. Some limited areas of alkali are scattered throughout the valley. However, analysis of soil samples has indicated that the alkali problem is not serious. The older valley-filling soils of Shasta Valley are shallow, with undulating hardpan below.

Crop adaptability of the land of Shasta Valley is limited by the presence of rock, coarse-textured materials, and root-restricting hardpans. Further restrictions are imposed by spring flooding and short growing seasons. Crops such as pasture, alfalfa, small grains, and selected field crops, will probably continue to be the major crops grown in the valley.

Crop adaptability in Scott Valley has the same general limitations as Shasta Valley. A major portion of the soils of Scott Valley are recent and young alluvium from mixed or sedimentary parent rock sources. The western edge of the valley has several areas of coarse and stony soils. Many of the soils found adjacent to existing water courses are subject to a high water table in the early spring. At present, the valley produces alfalfa, grain, meadow pasture, and a limited selection of field crops. Over-irrigation has greatly reduced the carrying capacity of much of the meadow pasture land. Crop adaptability of most of this area is more limited by climatic environment than by soil restrictions. In the future, Scott Valley is likely to shift toward greater field crop production and a more intensive management of pasture lands.

Climate

The climate of the Shasta-Scott Valleys Hydrographic Unit is characterized by warm dry summers and moderate wet winters. In the valleys, the average maximum temperature for July, the hottest month, is approximately 92°F. The average minimum for January, the coldest month, is about 23°F. In higher elevations of the mountains, the temperature decreases about one degree per 300 feet of elevation. The mean and extreme temperatures, and the average frost-free period, for four representative stations, are shown in Table 2.

TABLE 2

SUMMARY OF RECORDED TEMPERATURES AT SELECTED STATIONS IN OR NEAR SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Station	Elevation	Mean* temperatures, in °F.		Extreme temperatures, in °F.		Average* frost-free period (in days)	Period of record
		Min.	Max.	Min.	Max.		
Callahan Ranger Station	3,136	34.3	66.8	-6	106	114	1953-1959
Yreka	2,631	36.7	67.2	-11	112	138	1931-1952
Fort Jones R. S.	2,720	33.9	66.5	-23	110	108	1936-1953
Mt. Shasta City	3,544	36.0	62.5	-2	103	134	1921-1950

* For period of record.

About 75 to 80 percent of the precipitation occurs from October through March, with occasional thundershowers during the

summer months. The mean seasonal precipitation, for six representative stations, based on or corrected to the period 1905-06 to 1954-55, is shown in Table 3.

TABLE 3

SUMMARY OF MEAN ANNUAL PRECIPITATION
AT SELECTED STATIONS IN OR NEAR
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Station	Elevation	Precipitation (in inches)	Period of record
Callahan Ranger Station	3,136	19.44	1945-1960
Etna	2,912	24.14	1934-1959
Fort Jones Ranger Station	2,720	20.16	1935-1959
Montague	2,538	12.58	1887-1959
Mt. Shasta City	3,544	33.53	1888-1960
Yreka	2,631	17.32	1871-1959

Water Resources

The flow in the Shasta and Scott Rivers is extended into the summer, beyond the main precipitation period, by the melting snowpack of the Eddys, the Scott Mountains, and the Salmon Mountains. Boles Creek, Beaughan Creek, Carrick Creek, Big Springs, and other small streams and springs in Shasta Valley are supplied by underground flow from the melting glaciers of Mt. Shasta.

Runoff from the hydrographic unit is measured at the gaging stations designated as Shasta River near Yreka and Scott River near Fort Jones. Pertinent information obtained from these stations for the period indicated is summarized in Table 4.

TABLE 4

SUMMARY OF RUNOFF DATA FOR
SHASTA RIVER NEAR YREKA AND
SCOTT RIVER NEAR FORT JONES

Item of record	Shasta River		Scott River	
	Acre-feet	Period	Acre-feet	Period
Average annual discharge	130,000	1931-41 1945-58	488,700	1941-58
Minimum annual discharge	56,500	1933-34	168,800	1943-44
Maximum annual discharge	254,900	1957-58	944,300	1957-58
Minimum summer discharge (April - September)	11,500	1934	90,800	1955
Maximum summer discharge (April - September)	90,050	1941	407,810	1952
Minimum monthly discharge	513	8/39	1,910	9/55
Maximum monthly discharge	47,800	12/55	200,500	12/55

Shasta River			
Minimum instantaneous flow	3.4	cfs	(8/13/38)
Maximum instantaneous flow	6,090	cfs	(12/22/55)
Scott River			
Minimum instantaneous flow	20	cfs	(9/14/55)
Maximum instantaneous flow	38,500	cfs	(12/22/55)

For the irrigation season April through September 1958, during which diversion measurements were made in this investigation, the runoff measured at Shasta River near Yreka was 226 percent of the average, and 169 percent of the average at Scott River near Fort Jones.

Left: Gold
Dredge, Scott
Valley

Below:
Dwinnell
Reservoi

CHAPTER II. WATER USE

Water requirements in the Shasta-Scott Valleys Hydrographic Unit are met almost entirely by diversion of stream runoff; however, a limited portion is supplied by ground water. A survey of surface water diversions was made for this investigation. The results of the survey include diversion locations, descriptions, uses, amounts of water diverted, and apparent water rights information relating to diversions. Diversions of water for all purposes are reported, except those which involve amounts less than approximately 10 acre-feet per season.

Quantities of water diverted during 1958 were measured in order to further describe the diversion systems. The measured quantities do not necessarily represent average diversions, since in any single year the quantity diverted will be influenced by precipitation during the growing season and the available streamflow. As was mentioned in Chapter I, 1958 was an unusually wet year in Shasta and Scott Valleys. Factors other than available water supply, such as economic factors, may also affect the degree to which any diversion record represents typical operating conditions. No attempt was made to assess these factors in this report. Generally, the diversion quantities reported are the actual amounts of water taken from the respective sources, and therefore include the recoverable and irrecoverable losses incidental to the primary uses, which may be consumptive, such as irrigation, or nonconsumptive, such as in the production of hydroelectric power.

Locating water wells and measurement of their production were not covered in this investigation. However, the areas of lands

irrigated by water from all sources, including underground sources, were determined in the land use survey, which is described in Chapter III.

Municipal water service in the unit is provided in the following localities:

Location	Owner	Source
Etna	City of Etna	Etna Creek
Fort Jones	Dunsmuir Water Corporation	Wells
Montague	Montague Water Conservation District	Little Shasta River
Weed	International Paper Company	Beaughan Creek
Weed	Shastina Water Service	Boles Creek
Yreka	City of Yreka	Greenhorn Creek Yreka Creek

Water Rights

Water rights are an important consideration when determining the quantities of water which are surplus to the present and future needs of an area. Therefore, information relative to the apparent water rights associated with the surface water diversions described herein was obtained. These rights are based on appropriative or riparian status, and may have been defined by adjudication.

Water rights are rights in property which, because of their obscure establishment, are frequently the subject of controversy and litigation. Most of the water rights in Shasta Valley, and some of the water rights in Scott Valley, have been adjudicated. Others have been defined in private agreements. These actions, and the California law of water rights, are described briefly in Appendix C.

Big Springs, Shasta Valley

Lumber Mill, Weed

Most of the remaining water use in the unit is based on riparian rights, or on appropriative rights established prior to 1914. As of June 28, 1960, a total of 68 currently active applications had been made in the unit under provisions of the Water Commission Act of 1913. Permits or licenses had been granted for 66 of these applications, and 2 were incomplete. All of these applications are tabulated in Table C-1.

Surface Water Diversions

All diversions of more than 10 acre-feet per year in use in 1958 and the preceding five years were included. The date of last use of discontinued diversions was recorded, if known. Direct diversions, as well as those involving significant surface storage, were located. All reservoirs which had surface areas of about 3 acres or more were mapped. Three acres was considered the minimum area which could be delineated with reasonable accuracy on the aerial photographs used. Reservoirs located along, and operated in conjunction with, canals and ditches are shown on the land and water use maps, but are not considered as separate systems, and are not assigned location numbers. Similarly, supplies obtained from small, intermittent streams intercepted by canal systems are not classed as separate diversions.

In some situations, water users have made efficient use of water by rediverting field runoff or spill collected from their own upstream diversion systems. In this investigation, the point of such rediversion is neither located on the maps nor assigned a number. If return flow from another water user's operation is rediverted, however, or if there is doubt as to the origin of the

water, the diversion is delineated and assigned a number. Diversion systems of water companies or groups of water users are considered as single units; individual customer distribution points are not shown on the maps.

A total of 547 surface water diversions were located in this unit in 1958, and are classified by primary use as follows:

Primary use	Number of diversions
Irrigation	529
Municipal	10
Industrial	6
Power	1
Recreation (golf course)	1

Points of diversion and main canals or pipelines used to convey the water are delineated on the 18 sheets of Plate 2, "Land and Water Use." The diversions are described in Table 5.

Numbering System for Surface Water Diversions

Surface water diversions are numbered by a system which indicates their location by township, range, and section within the federal land survey system. Each section is subdivided into 40-acre plots, lettered as shown in the legend on each sheet of Plate 2. Diversions are numbered within each of these 40-acre plots according to the order in which they were located. For example, diversion 41N/5W-4F1, which is shown on Sheet 15 of Plate 2 as "4F1", is the first diversion located in the SE¼ of the NW¼ of Section 4 in Township 41 North, Range 5 West, Mt. Diablo Base and Meridian (MDB&M).

Descriptions of Surface Water Diversions

Description, history, and other information relating to surface water diversions were obtained by field inspection, by interview with water users or their representatives, and by reference to prior reports and official records. This information is contained in Table 5. Data in the table are arranged by diversion number within each subunit.

Each diversion location in Table 5 is followed by the name of the owner, the source of water, the uses served by the diversion, the quantity of water diverted during 1958, the extent of use, and the method of water application. If the purpose listed is not the usual use for that diversion, notation is made in the remarks column.

In some cases the reported quantities of water diverted appear excessive when related to the areas of land irrigated. These are generally for those diversions with earth canals several miles in length. Since the measurements were made at or near canal intakes, the quantities include losses such as percolation, as well as water applied to the lands. The quantities of water applied to the land may, therefore, be considerably less than the indicated amounts diverted. The extent of domestic use is specified only when five or more connections are served. Stockwatering of less than 10 head of livestock is considered to be a domestic use. The extent of irrigation use is based on the land use survey described in Chapter III.

The type of water right under which the respective diversions are considered to be made is indicated in Table 5 as the "apparent water right". The determination of this item is based upon the best information available from the owner, from

files of the State Water Rights Board, from court decrees, from official records, and from other sources. The actual amount of the right, if established and known, and a reference to the source of data, are also included. Although this information is believed to be accurate, it is emphasized that it is not based on sworn claims or testimony, and should in no way be construed to represent a conclusive determination of water rights.

Diversions for which water rights have been adjudicated are listed in Table 5 as "adjudicated". Those based on appropriative rights are listed as "appropriative". Those which have been neither adjudicated nor based on appropriations, but for which the area of use is apparently riparian to the stream or other water source, are listed as "riparian". The areas of use for many of the diversions listed as adjudicated or appropriative are probably riparian to water sources, but no attempt was made to make such determinations.

In the case of an adjudicated right, the amount of the decreed right is tabulated. For an appropriative right, the amount tabulated is that found in the filing, if any, in the application, or in the latest permit or license which may have been issued. The reference given for an appropriation initiated after the effective date of the Water Commission Act (1914) is the number of the application on file with the State Water Rights Board. For appropriations prior to 1914, the reference, if known, is the book and page number of the official county record in which the filing is recorded. Such filings were made in accordance with Sections 1410 and 1422 of the Civil Code as enacted in 1872,

Pump Diversion -- Big Springs, Shasta Valley

Gravity Diversion, Scott Valley Irrigation District

which preserved the priority of a diligent appropriator from the time of filing, and enabled him to prevail over a concurrent nonstatutory appropriator.

A detailed description of the diversion systems, including dams, pumps, and main conduits, as well as any special features, is included in Table 5. The diversions are also classified as gravity, pump, or storage, according to the following descriptions:

> Gravity diversion - A system in which water is taken from its natural course at a diversion structure and conveyed by gravity through a canal or pipeline to the area of use. Such a diversion may have a reservoir on the stream but the capacity is small compared with the amount of water diverted, and provides no significant carryover storage from winter to summer.
>
> Pump diversion - A system in which water is pumped from its natural course through a pipeline to the area of use or to a gravity conduit located at a higher elevation.
>
> Storage diversion - A system consisting of or including a surface reservoir having significant carryover storage within each season or from season to season.

Systems which do not conform exclusively to one of these basic types are listed as combinations of those types which best describe them.

The remarks contain such information as the names of former owners, known changes of ownership since 1958, and further details explaining entries in the other columns.

Detailed information with respect to diversions, which could not be presented adequately in Table 5, is included in Appendix D.

TABLE 5

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
BALL MOUNTAIN SUBUNIT											
M D B & M											
45N/3W-9A1 (Sheet 3)	Goose Nest Properties, Inc.	Little Shasta River	Irrig.	19 acres by flooding	Not meas.	Adjud.	0.30 cfs[h]	Par. 141[g]	1856	Gravity; 0.7 mile of earth ditch.	Former owners: R. Mills, Charles Soule.
45N/3W-9A2 (Sheet 3)	Goose Nest Properties, Inc.	Little Shasta River	Irrig.	25 acres by flooding	Not meas.	Adjud.	0.23 cfs[h] 0.15 cfs[j]	Par. 143[g]	1856	Gravity; 0.8 mile of earth ditch.	Former owners: R. Mills, Charles Soule.
45N/3W-11F1 (Sheet 3)	Ida A. Martin	Spring tributary to Little Shasta River	Irrig.	29 acres by flooding	Not meas.	Adjud.	0.20 cfs[h]	Par. 242[g]	1856	Gravity; 0.2 mile of earth ditch.	Former owner: C. V. Smith.
45N/3W-15H1 (Sheet 3)	Ida A. Martin	South Fork Little Shasta River	Irrig.	42 acres by flooding	Not meas.	Adjud.	0.10 cfs[h]	Par. 244[g]	1856	Gravity; 0.6 mile of earth ditch.	Former owner: C. V. Smith.
CALLAHAN SUBUNIT											
40N/8W-17J1 (Sheet 16)	Alger Ditch Hugh Duffy George E. Moore Clifford Sudderth	Scott River	Irrig.	63 acres by flooding and sprinkler	2,003	Approp.	1,000 MI	Bk. 1, pg. 31[s]	About 1872	Gravity; rock dam with 3.5 miles of earth ditch.	Former owner: Gardner
40N/8W-20R1 (Sheet 16)	Hazel Owens	South Fork Scott River	Munic. Irrig. Stock.	30 connections* 3 acres by flooding --	727	Riparian	--	--	Prior 1855	Gravity; concrete dam 3 feet high, 10 feet long with 0.7 mile of earth ditch.	Former owners: Callahan, White, McBride, Denny, Blackburn, Hayden Brothers. Serves community of Callahan.
40N/9W-1C1 (Sheet 16)	Bonnie Fowler	Squaw Gulch	Irrig.	27 acres by flooding	Not meas.	(b)	--	--	About 1955	Gravity; gravel dam with 0.5 mile of earth ditch.	
40N/9W-1J1 (Sheet 16)	Farmers Ditch Co.	Scott River	Irrig.	1,288 acres by flooding*	12,790*	Riparian	--	--	About 1870	Gravity; rock and earth dam with 11.3 miles of earth ditch and a small storage reservoir.	Previously irrigated an additional 30 acres. Area irrigated includes 102 acres normally irrigated jointly with 41N/9W-13B1.
40N/9W-1R1 (Sheet 16)	C. W. Birdwell	Sugar Creek	Irrig.*	(*)	None	(b)	--	--	Prior 1900	Gravity; log dam with 0.8 mile of earth ditch.	Former owner: Frank Sullivan. Previously irrigated an estimated 15 acres.
40N/9W-11J1 (Sheet 16)	Glenn Barnes D. H. La Fevere	Sugar Creek	Irrig.	179 acres by flooding	1,179	Adjud. Adjud. Approp. Approp.	60 MI 70 MI 1.25 cfs 2.25 cfs	(q) Par. 2[p] Appl.15769[c] Appl.15770[c]	1869	Gravity; rock dam with 7.5 miles of earth ditch.	Former owners: Denny, Fay, Edward Watson, Deas.
40N/9W-11J1 (Sheet 16)	C. W. Birdwell	Sugar Creek	Irrig.*	(*)	None	Adjud.	100 MI	Par. 6[p]	1873	Gravity; rock dam with 1.7 miles of earth ditch.	Former owners: Frank Sullivan, J. Ross Wade, C. S. Arbuckle. Irrigated 15 acres until 1958.
40N/9W-12F1 (Sheet 16)	C. W. Birdwell*	Sugar Creek	Irrig. Stock.	36 acres by flooding 30 head	770	Adjud.	55 MI*	(q)	1869	Gravity; rock dam with 0.6 mile of earth ditch.	Former owners: Frank Sullivan, M. Pauline Watson. Subsequent owner: Eugene A. and Johanna V. Allen. Amount of water right may also be diverted all or in part by 40N/9W-12F2.

* See remarks.
** For additional information see Appendix D "Detailed Descriptions of Certain Surface Water Diversions".
-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					CALLAHAN SUBUNIT (Continued)						
M D B & M											
40N/9W-12F2 (Sheet 16)	C. W. Birdwell*	Sugar Creek	Irrig.	4 acres by flooding	100	Adjud.	(*)	(q)	1869	Gravity; log dam with 0.5 mile of earth ditch.	Former owners: Frank Sullivan, M. Pauline Watson. Subsequent owners Eugene A. and Johanna V. Allen. For water right details see 40N/9W-12F1.
41N/9W-28B1 (Sheet 13)	Scott Valley Irrigation District	Scott River	Irrig.	3,924 acres by flooding*	9,116[n]	Approp.	62.5 cfs	Appl. 512[c]	1918	Gravity; concrete dam 2 feet high, 50 feet long with 15.7 miles of earth ditch.	** Previously irrigated an additional 49 acres.
41N/9W-9L1 (Sheet 13)	J. T. Timmons	Clark Creek	Irrig. Stock.	100 acres by flooding 200 head	996	Approp.	--	--	Prior 1900	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owner: Sam Larry.
41N/9W-10Q1 (Sheet 13)	C. A. Ball	Clark Creek	Irrig. Stock.	35 acres by flooding* 700 head	342*	Riparian	--	--	Prior 1900	Gravity; earth and gravel dam with 0.3 mile of earth ditch.	Former owner: Timmons. Uses indicated received supplemental supply from 41N/9W-15L1.
41N/9W-10R1 (Sheet 13)	C. A. Ball R. E. Richman	French Creek	Irrig. Stock.	106 acres by flooding* --	661	Adjud.	0.21 cfs 0.76 cfs	Div. 47A[d] Div. 48[d]	About 1900	Gravity; earth and rock dam with 0.7 mile of earth ditch.	Area irrigated received supplemental supply from a well.
41N/9W-11E1 (Sheet 13)	C. A. Ball	Clark Creek	Irrig. Stock.	150 acres by flooding* 100 head	Not meas.*	Riparian	--	--	Prior 1880	Gravity; 0.2 mile of earth ditch.	Former owner: Pete McBride. Uses indicated received supplemental supply from 41N/9W-11F1.
41N/9W-11F1 (Sheet 13)	C. A. Ball	Clark Creek	Irrig. Stock.	(*) (*)	Not meas.*	Riparian	--	--	Prior 1880	Gravity; 0.2 mile of earth ditch.	Former owner: Pete McBride. Supplemented 41N/9W-11E1 for uses reported thereunder.
41N/9W-13E1 (Sheet 13)	Susie N. Denny, et al.	Scott River	Irrig.	(*)	None	Riparian	--	--	Prior 1887	Gravity; gravel dam with 0.9 mile of earth ditch.	Former owners: McConnaughy, Paul Denny. Irrigated 102 acres jointly with 40N/9W-1J1 until 1958.
41N/9W-15A1 (Sheet 13)	C. A. Ball V. Berthelsen	French Creek	Irrig. Stock.	27 acres by flooding 125 head	329	Adjud.	0.55 cfs	Div. 47[d]	Prior 1900	Gravity; earth and rock dam with a short 18-inch pipe and 0.8 mile of earth ditch.	Former owners: F. Gomes, Clerk.
41N/9W-15J1 (Sheet 13)	H. Green	French Creek	Irrig. Stock.	83 acres by flooding* 100 head	800[n]	Adjud.	2.09 cfs	Div. 44[d]	Prior 1890	Gravity; earth and rock dam with 1.6 miles of earth ditch.	Former owner: J. Doll. Amount diverted irrigated an additional 116 acres jointly with 41N/9W-28B1.
41N/9W-15L1 (Sheet 13)	C. A. Ball R. E. Richman H. Green	French Creek	Irrig. Stock.	286 acres by flooding and sprinkler 750 head	1,713*	Adjud.	4.53 cfs	Div. 43[d]	1852	Gravity; earth and rock dam with 1.6 miles of earth ditch.	Portion of amount diverted supplemented 41N/9W-10Q1 for use reported thereunder.
41N/9W-21A1 (Sheet 13)	North Fork Ditch C. A. Ball, et al.[f]	French Creek	Irrig. Stock.	628 acres by flooding and sprinkler* 920 head	1,492*	Adjud.	7.32 cfs	Div. 17[d]	Prior 1880	Gravity; concrete dam 6 feet high, 75 feet long with 6 miles of earth ditch and two regulatory reservoirs.	Previously irrigated an additional 27 acres. Portion of amount diverted supplemented 42N/9W-28Q1 (Etna Subunit) for use reported thereunder. Received supplemental supply from 41N/10W-26K1 (South Fork Subunit) until 1958.

* See remarks.
** For additional information see Appendix D "Detailed Descriptions of Certain Surface Water Diversions".
-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					CALLAHAN SUBUNIT (Continued)						
41N/9W-21... (Sheet 13)	Oscar A. and Eilean M. Lolax	North Fork French Creek	Irrig. Stock. Mining	13 acres by flooding* -- (*)	Not meas.	Adjud.	0.12 cfs	Div. 18[d]	Prior 1955	Gravity; log dam 4 feet high, 40 feet long with 0.7 mile of earth ditch.	Former owners: O'Connell and Brown, Desossa, Shedion, Potter, Miles, Colia. Area irrigated previously received supplemental supply from 41N/9W-21G1. Previously supplied a placer mine.
41N/9W-21... (Sheet 13)	Oscar A. and Eilean M. Lolax	North Fork French Creek	Irrig.*	(*)	None	Adjud.	0.14 cfs	Div. 19[d]	Prior 1955	Gravity; 0.4 mile of earth ditch.	Former owners: O'Connell and Brown, Desossa, Shedion, Potter, Miles, Colia. Previously supplemented 41N/9W-21P1.
41N/9W-22M1 (Sheet 13)	John H. and Eleanor A. Mason	French Creek	Irrig. Stock.	99 acres by flooding 50 head	729	Adjud.	1.42 cfs	Div. 23[d]	Prior 1955	Gravity; rock and earth dam with 1.4 miles of earth ditch.	Former owners: Brown, Jack Mason.
41N/9W-22M2 (Sheet 13)	Oscar A. and Eilean M. Lolax	French Creek	Irrig. Stock. Mining	38 acres by flooding 16 head Placer	105	Adjud.	0.49 cfs	Div. 24[d]	Prior 1955	Gravity; concrete dam with 0.6 mile of earth ditch.	Former owners: O'Connell and Brown, Desossa, Solae, Shedion, Potter, Miles, Colia.
41N/9W-22P1 (Sheet 13)	Elsie E. and William M. Cory	Miners Creek	Irrig.	25 acres by flooding	245	Adjud.	0.25 cfs	Div. 36[d]	Prior 1955	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owners: Brown, E. E. Cory.
41N/9W-24F1 (Sheet 13)	Suzie N. Denny, et al.	Scott River	Irrig.	191 acres by flooding	Not meas.	Riparian	--	--	About 1909	Gravity; earth and gravel dam with 0.7 mile of earth ditch.	
41N/9W-25F1 (Sheet 13)	Glenn Barnes H. A. Fisher D. H. LaFevers Wolford Brothers	Scott River	Irrig.	396 acres by flooding*	2,405*	Riparian	--	--	1870	Gravity; short 36-inch pipe with 2.4 miles of earth ditch.	Area irrigated includes 76 acres which were normally irrigated jointly with 41N/9W-25G1. Previously irrigated an additional 7 acres.
41N/9W-25J1 (Sheet 13)	Wolford Brothers	Scott River	Irrig.*	(*)	None	Riparian	--	--	Prior 1958	Gravity; timber headgate with 0.2 mile of earth ditch.	Previously irrigated 76 acres jointly with 41N/9W-25F1.
41N/9W-28B1 (Sheet 13)	Elsie E. and William M. Cory John N. and Eleanor A. Mason H. Green	French Creek	Irrig. Stock.	65 acres by flooding 70 head	1,567*	Adjud.	2.42 cfs	Div. 20[d]	Prior 1955	Gravity; earth and rock dam with 4.4 miles of earth ditch.	Amount diverted irrigated an additional 116 acres jointly with 41N/9W-15G1.
41N/9W-28G1 (Sheet 13)	Henry and May Aker	French Creek	Irrig. Domestic	5 acres by flooding (a)	19	Adjud.	0.11 cfs	Div. 13[d]	Prior 1890	Gravity; log dam 2 feet high, 15 feet long with 0.1 mile of earth ditch.	Former owners: Jackson, Fosberg, Munson.
41N/9W-34D1 (Sheet 13)	Robert E. and Louise Lewis	Miners Creek	Irrig.	74 acres by flooding	159[n]	Adjud.	1.22 cfs	Div. 33[d]	Prior 1914	Gravity; rock and sand-bag dam 2 feet high, 200 feet long with 0.5 mile of earth ditch.	Former owners: Vanderpool and Lloyd, Tucker.

* See remarks
** For additional information see Appendix D "Detailed Descriptions of Certain Surface Water Diversions"
-- Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					OWINNELL RESERVOIR SUBUNIT						
H D B & M											
42N/4W-19L1 (Sheet 12)	Francis Solus	Springs tributary to Carrick Creek	Irrig. Stock.	20 acres by flooding 10 head	Not meas.	Riparian	--	--	Prior 1890	Gravity; 0.4 mile of earth ditch.	Former owners: Stone, Sullivan.
42N/5W-15F1 (Sheet 12)	Maybelle B. Mills	Carrick Creek	Irrig.	24 acres by flooding	393	Adjud.	1.10 cfs[a]	Par. 278[g]	1853	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Jackson, Frank H. Mills. Reported water right amount may be diverted all or in part by this diversion or 42N/5W-15M1.
42N/5W-15M1 (Sheet 12)	Maybelle B. Mills	Carrick Creek	Irrig. Stock.	37 acres by flooding 800 head	660	Adjud.	(a)	(a)	1853	Gravity; earth and rock dam with 0.2 mile of earth ditch	Former owners: Jackson, Frank H. Mills. For water right details see 42N/5W-15F1.
42N/5W-16G1 (Sheet 12)	Maybelle B. Mills[e]	Shasta River	Irrig.	83 acres by flooding	421	Adjud.	4.35 cfs[h] 1.00 cfs[i]	Par. 285[g]	1853	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owners: A. E. Rowe, Frank H. Mills. Subsequent owner: Mills Ranch Corp.
42N/5W-16N1 (Sheet 12)	Maybelle B. Mills	Shasta River	Irrig. Stock.	96 acres by flooding 800 head	3,426	Adjud.	1.50 cfs[h] 0.25 cfs[j]	Par. 274[g]	1853	Gravity; earth and rock dam with 0.8 mile of earth ditch.	Former owner: Frank H. Mills.
42N/5W-20A1 (Sheet 12)	Maybelle B. Mills	Shasta River	Irrig. Stock.	294 acres by flooding 800 head	2,381	Adjud.	1.45 cfs[h] 0.25 cfs[j] 3.50 cfs[h] 0.25 cfs[j]	Par. 271[g] Par. 274[g]	1865	Gravity; earth dam with 1.2 miles of earth ditch.	Former owners: McMahon, Frank H. Mills.
42N/5W-20A2 (Sheet 12)	Maybelle B. Mills	Shasta River	Irrig. Stock.	24 acres by flooding[e] 800 head	243	Adjud.	0.60 cfs[h] 0.10 cfs[j]	Par. 270[g]	About 1853	Gravity; earth and rock dam with 0.7 mile of earth ditch.	Former owner: Anna C. McMahon. Previously irrigated an additional 3 acres.
42N/5W-22C1 (Sheet 12)	Samuel C. Jackson	Spring tributary to Carrick Creek	Irrig. Stock.	(a) —	30[e]	Adjud.	0.10 cfs[h]	Par. 180[g]	1877	Gravity; earth dam with 0.2 mile of earth ditch.	Former owner: S. H. Jackson. Amount diverted supplemented 42N/5W-22L1 (Weed Subunit)
42N/5W-2[illegible] (Sheet 12)	Samuel C. Jackson	Carrick Creek	Irrig. Stock.	19 acres by flooding 23 head	616	Adjud.	0.10 cfs[h]	Par. 179[g]	1855	Gravity; board dam with 0.4 mile of earth ditch.	Former owner: S. H. Jackson.
43N/5W-3[illegible] (Sheet 9)	Ellis J. Louie	Big Springs	Irrig.	399 acres by flooding[e]	8,810[aa]	Adjud.	10.0 cfs[h,k]	Par. 234[g]	1872	Gravity; concrete headgate 4 feet high, 8 feet long with 4.6 miles of earth ditch.	Former owners: A. J. Louie, Rose, John Louie, Louie Brothers. Portion of amount diverted supplemented 43N/5W-3K2 and 43N/5W-9Q1 for uses reported thereunder. Reported water right amount may be diverted all or in part by this diversion or 43N/5W-3K2.
43N/5W-3K[illegible] (Sheet 9)	Ellis J. Louie	Big Springs	Irrig.	31 acres by flooding[e]	130[e]	Adjud.	(a)	(a)	1893	Gravity; concrete headgate with 0.2 mile of earth ditch.	Former owners: Coonrod, Rose, A. J. Louie, Louie Brothers. Use indicated received supplemental supply from 43N/5W-3K1. For water right details see 43N/5W-3K1.

* See remarks
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions"
— Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					DWINNELL RESERVOIR SUBUNIT (Continued)						
M. D. B. & M.											
43N/5W-3J1 (Sheet 9)	Ellis J. Louie	Big Springs	Irrig.	20 acres by flooding	1,238*	Riparian	--	--	1940	Gravity; concrete headgate with 0.7 mile of earth ditch.	Portion of amount diverted supplemented 43N/5W-9Q1 for use reported thereunder.
43N/5W-3R1 (Sheet 9)	James A. Taylor	Big Springs	Irrig.	369 acres by flooding*	1,799*	Adjud.	5.70 cfs[k] 0.50 cfs[r]	Par. 365[f]	1903	Pump; 50-hp motor with 0.1 mile of pipe and 3 miles of earth ditch.	Former owners: Edward Stallcup and Sons Company. Previously irrigated an additional 16 acres. Portion of amount diverted irrigated 52 acres jointly with 43N/5W-23H1.
43N/5W-3R2 (Sheet 9)	Big Springs Irrigation District	Big Springs	Irrig.	2,072 acres by flooding*	6,259	Adjud.	30.0 cfs[k]	Par. 11[g]	About 1913	(**)	Former owner: A. L. Harlow. Previously irrigated an additional 60 acres
43N/5W-5D1 (Sheet 9)	Sedgley D. Nelson	Shasta River	Irrig. Stock.	138 acres by flooding 300 head	470	Adjud. Approp.	1.20 cfs[h] 250 MI[k]	Par. 264[g] Vol. 7[t]	1914	Pump; 25-hp motor with a short pipeline to 1.5 miles of earth ditch.	Former owners: Frank H. Mills, Maybelle B. Mills.
43N/5W-5D2 (Sheet 9)	Sedgley D. Nelson	Shasta River	Irrig.*	(*)	None	Adjud.	1.10 cfs[k] 0.25 cfs[m]	Par. 331[g]	1899	Gravity; 1.3 miles of earth ditch.	Former owners: Western Group Securities Company, Angelo Salvadori, Orr Brothers. Previously irrigated 46 acres in Grenada Subunit.
43N/5W-9G1 (Sheet 9)	Ellis J. Louie	Little Spring Creek	Irrig.	213 acres by flooding*	950*	Adjud.	1.15 cfs[k]	Par. 237[g]	1892	Gravity; wood headgate with 0.3 mile of earth ditch.	Former owners: Simonde, A. J. Louie, Louie Brothers. Use indicated received supplemental supply from 43N/5W-3K1 and 43N/5W-3Q1.
43N/5W-9G2 (Sheet 9)	Ellis J. Louie	Little Spring Creek	Irrig.	110 acres by flooding*	240*	Adjud.	1.95 cfs	Par. 238[g]	1900	Gravity; short 24-inch pipe to 1.0 mile of earth ditch.	Former owners: Simonds, A. J. Louie, Louie Brothers. Amount diverted irrigated 110 acres jointly with 43N/5W-9G3.
43N/5W-9G3 (Sheet 9)	Ellis J. Louie	Little Spring Creek	Irrig.	(*)	410*	Adjud.	0.50 cfs[k]	Par. 236[g]	1893	Gravity; concrete headgate with 0.2 mile of earth ditch.	Former owners: Simonds, A. J. Louie, Louie Brothers. Amount diverted irrigated 110 acres jointly with 43N/5W-9G2.
43N/5W-9R2 (Sheet 9)	Ellis J. Louie	Hole-in-the Ground Creek	Irrig.	75 acres by flooding*	530*	Adjud.	1.50 cfs[s]	Par. 233[g]	1893	Gravity; concrete headgate with 0.6 mile of earth ditch and concrete pipe.	Former owners: Jim Dennis, Louie Brothers. Previously irrigated 8 acres. Amount diverted irrigated an additional 65 acres jointly with 43N/5W-10D1. Reported water right amount may be diverted all or in part by this diversion or 43N/5W-15D1.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					DWINNELL RESERVOIR SUBUNIT (Continued)						
M D B & M											
43N/5W-10D1 (Sheet 9)	Ellis J. Louie	Little Spring Creek	Irrig.	103 acres by flooding[a]	260[a]	Adjud.	4.00 cfs[k]	Par. 235[g]	1891	Gravity; 0.7 mile of 16-inch pipe and 250 feet of 18-inch pipe to 1.3 miles of earth ditch.	Former owners: Jim Dennis, Louie Brothers. Amount diverted irrigated an additional 65 acres jointly with 43N/5W-9R1.
43N/5W-15D1 (Sheet 9)	Ellis J. Louie	Hole-in-the Ground Creek	Irrig.	5b acres by flooding	Not meas.	Adjud.	(*)	(*)	1893	Gravity; 0.2 mile of earth ditch.	For water right details see 43N/5w-9R1.
43N/5W-15R1 (Sheet 9)	William W. Valentine, Jr.	Spring tributary to Shasta River	Irrig.	167 acres by flooding[a]	Not meas.[a]	Approp.	2.50 cfs	Appl.3809[c]	Prior 1936	Gravity; 1.1 miles of earth ditch.	Amount diverted irrigated an additional 129 acres jointly with 43N/5w-23H1.
43N/5W-21B1 (Sheet 9)	William W. Valentine, Jr.	Shasta River	Irrig.	452 acres by flooding[a]	Not meas.	Adjud.	1.85 cfs[h]	Par. 383[g]	About 1870	Gravity; concrete dam 2 feet high, 4 feet long with 0.1 mile of pipeline and 1.6 miles of earth ditch.	Former owners: C. H. Reed, H. E. Richman, E. D. Terwilliger.
43N/5W-22B1 (Sheet 9)	William W. Valentine, Jr.	Shasta River	Irrig.	148 acres by flooding	Not meas.	Adjud.	0.55 cfs[h,j] 0.25 cfs[h,l]	Par. 382[g]	About 1870	Gravity; concrete dam 2 feet high, 4 feet long with 1.6 miles of earth ditch.	Former owners: C. H. Reed, H. E. Richman, E. D. Terwilliger.
43N/5W-23H1 (Sheet 9)	James W. Taylor	Spring Tributary to Shasta River	Irrig. Stock.	478 acres by flooding[a] --	Not meas.[a]	Riparian	--	--	Prior 1924	Gravity; 7.5 miles of earth ditch.	Former owner: The Ichoe Company. Amount diverted irrigated 52 acres jointly with 43N/5W-3R1 and 29 acres jointly with 43N/5W-15R1 in addition to the reported area irrigated.
43N/5W-25[illegible] (Sheet 9)	Dwinnell Reservoir Montague Water Conservation District	Shasta River	Irrig.	(**)	13,588	Approp.	35,000 af 20,000 af	Appl.3544[c,e] Appl.16507[e]	1927 1955	(**)	(**)
43N/5W-25M1 (Sheet 9)	Marvin L. and Inez M. Miller	Shasta River	Irrig.	157 acres by flooding[a]	191[a]	Adjud.	2.55 cfs[h,j] 0.50 cfs[h,l]	Par. 356[g]	About 1869	Gravity; rock and concrete dam 4 feet high, 50 feet long with 3.[illegible] miles of earth ditch.	Former owner: John [illegible]. previously irrigated an additional 96 acres.
43N, 5W-26A1 (Sheet 9)	Kenneth King Marvin L. and Inez M. Miller Emily S. Waters	Shasta River	Irrig.	24 acres by flooding[a]	Not meas.[a]	Adjud.	2.55 cfs[h,j] 0.50 cfs[h,l]	Par. 72[g]	About 1870	Gravity; [illegible]rth dam with [illegible].1 miles of earth ditch.	Former owners: C. H. and Mary L. Dennis, Waters. Portion of amount diverted supplemented 43N/5W-26C1 for use reported thereunder.
43N/5W-26C1 (Sheet 9)	Kenneth King Emily S. Waters	Springs tributary to Shasta River	Irrig.	173 acres by flooding[a]	Not meas.[a]	Adjud.	0.25 cfs[h,j] 0.10 cfs[h,l]	Par. 73[g]	1886	Gravity; 1.9 miles of earth ditch.	Former owners: C. H. and Mary L. Dennis, Waters. Use indicated received supplemental supply from 43N/5W-26A1.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
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					DWINNELL RESERVOIR SUBUNIT (Continued)						
D B & M											
44N/4W-15G1 (Sheet 6)	Charles O. Messerall	Spring tributary to Shasta River	Irrig. Stock.	125 acres by sprinkler* 250 head	Not meas.*	Riparian	--	--	About 1940	Gravity; 1.1 miles of earth ditch to a small regulatory reservoir.	Former owners: Hart, Cash, Lema, Reuben. Uses indicated received supplemental supply from 44N/4W-15G1.
44N/4W-15G1 (Sheet 6)	Charles O. Messerall	Spring tributary to Shasta River	Irrig. Stock.	(*)	Not meas.*	Riparian	--	--	About 1940	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Hart, Cash, Lema, Reuben. Supplemented 44N/4W-15G1 for uses reported thereunder.
44N/4W-16H1 (Sheet 6)	Aubrey I. Nunes	Springs tributary to Shasta River	Irrig. Stock.	45 acres by flooding* 60 head	166*	Adjud.	(*)	(*)	1853	Gravity; 1 mile of earth ditch and 0.6 mile of natural channel to a small regulatory reservoir.	Former owner: N. Cash. Uses indicated received supplemental supply from 44N/4W-28A1. Entitled to all water from the spring per court decision 16526 dated October 22, 1957.
44N/4W-21B1 (Sheet 6)	Charles O. Messerall	Spring tributary to Shasta River	Irrig.	18 acres by flooding	Not meas.	Riparian	--	--	About 1940	Gravity; 0.2 mile of earth ditch.	Former owners: Hart, Cash, Lema, Reuben.
44N/4W-28A1 (Sheet 6)	Aubrey I. Nunes	Spring tributary to Spring Creek	Irrig. Stock.	(*)	53*	Riparian	--	--	About 1860	Gravity; 1 mile of earth ditch.	Former owners: Hart, Joe I. Lemon. Supplemented 44N/4W-16H1 for uses reported thereunder.
44N/4W-22K1 (Sheet 6)	Donald and J. Coonrod	Spring Creek	Irrig. Power	232 acres by flooding and sprinkler* 2 kw*	1,635	Riparian	--	--	About 1858	Gravity; 0.3 mile of earth ditch and pipeline to the power plant and 2.1 miles of natural channel and earth ditch to a regulatory reservoir.	Former owners: J. B. Roher, Churchill Company, Herd Ranch. Power plant installed in 1936.
44N/5W-20J1 (Sheet 6)	Cloak Lake Charles T. and Ellen B. Drummond	Tributary to White Slough	Irrig.	87 acres by flooding*	76*	Approp.	110 af	Appl.15687[c]	1955	Gravity and storage; 0.8 mile of earth ditch.	Portion of amount diverted supplemented 44N/5W-20P1 for use reported thereunder.
44N/5W-20P1 (Sheet 6)	Charles T. and Ellen B. Drummond	Tributary to White Slough	Irrig.	118 acres by flooding*	1,069*	Approp.	10 af	Appl.17639[c]	1873	Gravity and storage; earth dam 10 feet high, 250 feet long with 1.5 miles of earth ditch.	Former owners: Muesman, Edson and Foulke Company, Lou Foulke, Prather, Davis. Uses indicated received supplemental supply from 44N/5W-20J1 and 29C1. Area of use is in Grenada Subunit.
44N/5W-28C1 (Sheet 6)	Toni Machado Louis Silva	Runoff from irrigation	Stock.	150 head	Not meas.	(b)	--	--	About 1930	Storage; small earth dam to enlarge a natural lake.	Former owners: Fairchild, Quadros, Big Springs Irrigation District.
44N/5W-29C1 (Sheet 6)	Salt Lake Charles T. and Ellen B. Drummond	Tributary to White Slough	Irrig.	(*)	664*	Approp.	48 af	Appl.17639[c]	1954	Gravity and storage; short natural channel	Amount diverted supplemented 44N/5W-20P1 for use reported thereunder.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					EAST FORK SUBUNIT						
M D B & M											
40N/6W-8M1 (Sheet 17)	Rodney Gregg	Tributary to Cabin Meadow Creek	Irrig.	(*)	Not meas.*	(b)	--	--	1906	Gravity; earth and rock dam 8 feet high, 30 feet long.	Amount diverted supplemented 41N/7W-16M1 and 41N/7W-16P1.
40N/7W-7D1 (Sheet 17)	A. E. Richardson	East Fork Scott River	Irrig. Stock.	21 acres by flooding 16 head	5	Riparian	--	--	About 1900	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owner: Philo Phillips.
40N/7W-7L1 (Sheet 17)	Charles L. Rich	East Fork Scott River	Irrig. Domestic Stock.	15 acres by flooding (a) 100 head	830	Riparian	--	--	Prior 1930	Gravity; earth and rock dam with 0.2 mile of earth ditch.	
40N/7W-7L2 (Sheet 17)	Laurence Franklin	East Fork Scott River	Irrig. Stock.	42 acres by flooding 25 head	939	Riparian	--	--	About 1875	Gravity; gravel and timber dam with 1.0 mile of earth ditch.	Former owners: Bill Snyder, Knight.
40N/7W-8H1 (Sheet 17)	Charles L. Rich	Kangaroo Creek	Irrig. Stock.	95 acres by flooding* 100 head	772	Riparian	--	--	Prior 1920	Gravity; earth and rock dam with 2.1 miles of earth ditch.	Former owners: Dave Rogers, Johansen Wong, Sheets, Knight, C. W. Peterson. Previously irrigated an additional 11 acres.
40N/7W-13A1 (Sheet 17)	Rodney Gregg	Rock Fence Creek	Irrig.	(*)	Not meas.*	(b)	--	--	About 1906	Gravity; earth and rock dam 8 feet high, 30 feet long.	Amount diverted supplemented 41N/7W-28M1 and 41N/7W-21P1.
40N/7W-14A1 (Sheet 17)	Carl McConnell	Kangaroo Lake	Irrig.	(*)	Not meas.*	(b)	--	--	Prior 1900	Gravity; earth and rock dam 24 feet high, 80 feet long.	Former owners: R. C. Crawford, Jim Parker, Parker Company, Knoop, Drucker. Amount diverted supplemented 41N/7W-20R1, 41N/7W-30A1, 41N/7W-30M1, and 41N/8W-36A1.
40N/7W-18C1 (Sheet 17)	Mrs. W. S. Harmon	East Fork Scott River	Irrig.*	(*)	None	(b)	--	--	Prior 1958	Gravity; earth and log dam with 0.4 mile of earth ditch.	Previously irrigated 11 acres.
40N/7W-18E1 (Sheet 17)	Laurence Franklin	East Fork Scott River	Irrig. Stock.	12 acres by flooding --	617	Riparian	--	--	1942	Gravity; gravel dam 2 feet high, 40 feet long with 0.2 mile of earth ditch.	
40N/7W-20A1 (Sheet 17)	Laurence Franklin	Grouse Creek	Irrig. Stock.	18 acres by flooding --	471	Approp.	--	--	About 1900	Gravity; gravel dam 3 feet high, 20 feet long with 1.5 miles of earth ditch and natural channel.	Former owners: Snyder, Vaughn, Witherow, Knight.
40N/8W-2B1 (Sheet 16)	Nerva M. Hayden	Noyes Valley Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1870	Gravity; earth and timber dam with a short earth ditch.	Former owner: Franklin N. Hayden. Previously irrigated 12 acres.
40N/8W-2B2 (Sheet 16)	Nerva M. Hayden	Noyes Valley Creek	Irrig.* Stock*	(*)	None	Riparian	--	--	Prior 1870	Gravity; earth and timber dam with a short earth ditch.	Former owner: Franklin N. Hayden. Previously supplemented 41N/8W-34J1.
40N/8W-2C1 (Sheet 16)	Nerva M. Hayden	Noyes Valley Creek	Irrig. Stock.	28 acres by flooding 75 head	180	Riparian	--	--	Prior 1875	Gravity; earth and rock dam with 1.7 miles of earth ditch.	Former owners: John Willie, Corman, Casaway, Masterson.
40N/8W-13L1 (Sheet 16)	Frank J. Hayden	East Fork Scott River	Irrig. Stock.	9 acres by flooding 100 head	565	Approp.	1.25 cfs	Appl.1492[c]	Prior 1920	Gravity; rock dam with 1.6 miles of earth ditch.	Former owner: Masterson.

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TABLE 5 (Continued)

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SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					EAST FORK SUBUNIT (Continued)						
[illegible] (Sheet 16)	Frank J. Hayden	Noye Valley Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1900	Gravity; earth and timber dam with 0.3 mile of earth ditch.	Former owners: Masterson. Previously irrigated 20 acres.
[illegible] (Sheet 16)	A. E. Hayden	East Fork Scott River	Irrig.*	(*)	None	Riparian	--	--	Prior 1958	Gravity; earth dam with 0.1 mile of earth ditch.	Previously irrigated 13 acres.
[illegible] (Sheet 16)	Herva M. Hayden Hazel Owens	East Fork Scott River	Irrig. Stock.	56 acres by flooding 100 head	2,047	Riparian	--	--	Prior 1860	Gravity; rock dam with 1.5 miles of earth ditch.	Former owners: Callahan, White, McBride, Denny, Blackburn, Hayden Brothers, A. E. Hayden.
[illegible] (Sheet 16)	Rodney Hamilton	Taylor Creek	Irrig.	(*)	53*	Riparian	--	--	Prior 1870	Gravity; earth dam with a short earth ditch.	Former owners: Taylor, Hurhette, Schramm. Amount diverted supplemented 40N/8W-22L.
[illegible] (Sheet 16)	Rodney Hamilton	Taylor Creek	Irrig.	6 acres by flooding	140	Riparian	--	--	Prior 1870	Gravity; earth dam with a short earth ditch.	Former owners: Taylor, Hurhette, Schramm.
[illegible] (Sheet 16)	Rodney Hamilton	Taylor Creek	Irrig. Stock.	26 acres by flooding* --	289	Riparian	--	--	Prior 1870	Gravity; earth dam with 0.4 mile of earth ditch.	Former owners: Taylor, Hurhette, Schramm. Area irrigated received supplemental supply from 40N/8W-22F1 and 40N/8W-35E1.
[illegible] (Sheet 16)	Rodney Hamilton	Taylor Creek	Irrig.	56 acres by flooding*	120	Riparian	--	--	Prior 1870	Gravity; earth dam with 0.5 mile of earth ditch.	Former owners: Taylor, Hughette, Schramm. Area irrigated received supplemental supply from 40N/8W-35E1.
[illegible] (Sheet 16)	Frank J. Hayden	East Fork Scott River	Irrig. Stock.	34 acres by flooding 75 head	1,497	Riparian	--	--	Prior 1870	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owner: Masterson.
[illegible] (Sheet 16)	Frank J. Hayden	Big Mule Creek	Irrig. Domestic Stock.	7 acres by flooding (a) 175 head	634	Riparian	--	--	Prior 1860	Gravity; log and rock dam with 0.3 mile of earth ditch.	Former owner: Masterson.
[illegible] (Sheet 16)	Rodney Hamilton	Little Mill Creek	Irrig.	(*)	170*	(b)	--	--	Prior 1870	Gravity; earth and rock dam with 0.5 mile of earth ditch to Taylor Creek and 1.5 miles of natural channel to rediversion points.	Former owners: Taylor, Hurhette, Schramm. Amount diverted supplemented 4 N/8W-22L2 and 40N/8W-22P1.
41N/7W-11F1 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrig.	(*)	Not meas.*	(b)	--	--	Prior 1958	Gravity; earth dam with a short earth ditch.	Amount diverted supplemented 41N/7W-11G1.
41N/7W-11G1 (Sheet 14)	Carl McConnell	Mountain House Creek	Irrig.	56 acres by flooding*	Not meas.	(b)	--	--	Prior 1958	Gravity; earth and rock dam with 0.7 mile of earth ditch.	Area irrigated received supplemental supply from 41N/7W-11F1.
41N/7W-14B1 (Sheet 14)	Carl McConnell	Tributary to East Fork Scott River	Irrig.	40 acres by flooding	Not meas.	(b)	--	--	Prior 1958	Gravity; earth and gravel dam with 0.7 mile of earth ditch.	
41N/7W-14D1 (Sheet 14)	Rodney Gre[illegible]	Tributary to East Fork Scott River	Irrig.	12 acres by flooding	108	Riparian	--	--	About 1945	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owner: Gibbons.

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EAST FORK SUBUNIT (Continued)											
M D B & M											
41N/7W-15E1 (Sheet 14)	Rodney Gregg	Houston Creek	Irrig. Stock.	9 acres by flooding	20	Riparian	--	--	About 1879	Gravity; earth and gravel dam with 0.2 mile of earth ditch.	Former owner: Gibbons
41N/7W-15F1 (Sheet 14)	Rodney Gregg	East Fork Scott River	Irrig. Stock.	131 acres by flooding* --	290*	Riparian	--	--	About 1890	Gravity; earth and log dam with 5.0 miles of earth ditch.	Former owner: Gibbons. Portion of amount diverted irrigated 38 acres jointly with 41N/7W-16P1.
41N/7W-16M1 (Sheet 14)	Rodney Gregg	East Fork Scott River	Irrig.	13 acres by flooding*	60	Riparian	--	--	1938	Gravity; earth dam with a short 30-inch pipe and 0.1 mile of earth ditch.	Use indicated received supplemental supply from 40N/6W-8M1.
41N/7W-16P1 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrig.	17 acres by flooding	Not meas.	(b)	--	--	Prior 1958	Gravity; earth dam 3 feet high, 100 feet long with 4.8 miles of earth ditch.	
41N/7W-16P1 (Sheet 14)	Rodney Gregg	East Fork Scott River	Irrig.	50 acres by flooding*	60*	Riparian	--	--	About 1888	Gravity; earth and gravel dam 3 feet high, 100 feet long with 0.9 mile of earth ditch.	Former owner: George Schull. Use indicated received supplemental supply from 40N/6W-8M1. Portion of amount diverted irrigated an additional 38 acres jointly with 41N/7W-15F1.
41N/7W-18G1 (Sheet 14)	Carl McConnell	Meadow Gulch	Irrig.	72 acres by flooding	Not meas.	(b)	--	--	Prior 1958	Gravity; earth dam with 400 feet of earth ditch.	
41N/7W-19M1 (Sheet 14)	Carl McConnell	Meadow Gulch	Irrig.	22 acres by flooding*	Not meas.	(b)	--	--	Prior 1958	Gravity; earth dam with 0.1 mile of earth ditch.	Use indicated received supplemental supply from 41N/7W-19N1.
41N/7W-19N1 (Sheet 14)	Carl McConnell	Meadow Gulch	Irrig.	(*)	Not meas.*	(b)	--	--	Prior 1958	Gravity; earth dam with a short earth ditch.	Amount diverted supplemented 41N/7W-19M1 for use reported thereunder.
41N/7W-20H1 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrig.	308 acres by flooding	Not meas.	(b)	--	--	Prior 1958	Gravity; earth and gravel dam with 2.5 miles of earth ditch.	
41N/7W-20K1 (Sheet 14)	Carl McConnell	Mail Creek	Irrig.	14 acres by flooding*	Not meas.	(b)	--	--	Prior 1958	Gravity; earth and gravel dam 12 feet high, 300 feet long.	Area irrigated received supplemental supply from 40N/7W-14A1.
41N/7W-21C1 (Sheet 14)	Rodney Gregg	East Fork Scott River	Irrig. Stock.	(*) --	10*	Riparian	--	--	1956	Gravity; earth dam with a short earth ditch.	Amount diverted supplemented 41N/7W-28N1.
41N/7W-21P1 (Sheet 14)	Rodney Gregg	Mail Creek	Irrig.	6 acres by flooding*	Not meas.	(b)	--	--	Prior 1900	Gravity; rock dam 3 feet high, 20 feet long with 0.6 mile of earth ditch.	Area irrigated received supplemental supply from 40N/7W-13A1.
41N/7W-28N1 (Sheet 14)	Rodney Gregg	Mail Creek	Irrig. Stock.	20 acres by flooding* —	10	Approp.	--	--	About 1866	Gravity; earth and rock dam with 3.0 miles of earth ditch.	Former owner: Crawford. Area irrigated received supplemental supply from 40N/7W-13A1 and 41N/7W-21C1.
41N/7W-30A1 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrig.	238 acres by flooding*	Not meas.	(b)	--	--	Prior 1958	Gravity; earth and gravel dam with 3.7 miles of earth ditch.	Area irrigated received supplemental supply from 40N/7W-14A1.

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					EAST FORK SUBUNIT (Continued)						
M D B & M											
41N/7W-30M1 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrig.	6 acres by flooding*	Not meas.	(b)	--	--	Prior 1958	Gravity; earth and gravel dam with 0.1 mile of earth ditch.	Area irrigated received supplemental supply from 40N/7W-14A1.
41N/8W-23C1 (Sheet 14)	Dudley - Parker Ranch	Noyes Valley Creek	Irrig.	18 acres by flooding	Not meas.	Riparian	--	--	About 1930	Gravity; earth dam with 0.4 mile of earth ditch.	Former owners: Pitt Brothers.
41N/8W-23C2 (Sheet 14)	Dudley - Parker Ranch	Noyes Valley Creek	Irrig. Stock.	148 acres by flooding 500 head	Not meas.	Riparian	--	--	1900	Gravity; earth dam with 0.7 mile of earth ditch.	Former owners: Pitt Brothers
41N/8W-25A1 (Sheet 14)	Carl McConnell	Meadow Gulch	Irrig.	17 acres by flooding	Not meas.	(b)	--	--	Prior 1958	Gravity; earth dam with 0.2 mile of earth ditch.	
41N/8W-34A1 (Sheet 14)	Dudley - Parker Ranch	Noyes Valley Creek	Irrig.	29 acres by flooding	Not meas.	Riparian	--	--	About 1870	Gravity; earth dam with 0.7 mile of earth ditch.	Former owners: Pitt Brothers
41N/8W-34J1 (Sheet 14)	Nerva M. Hayden	Noyes Valley Creek	Irrig.* Stock.	8 acres by flooding* 50 head	130	Riparian	--	--	Prior 1870	Gravity; earth and timber dam with 0.3 mile of earth ditch.	Former owner: Franklin H. Hayden. Area irrigated previously received supplemental supply from 40N/8W-25Z.
41N/8W-34R1 (Sheet 14)	Nerva M. Hayden	Noyes Valley Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1870	Gravity; earth and timber dam with 0.2 mile of earth ditch.	Former owner: Franklin H. Hayden. Previously irrigated 6 acres.
41N/8W-36A1 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrig.	59 acres by flooding*	Not meas.	Riparian	--	--	Prior 1958	Gravity; gravel dam with 0.7 mile of earth ditch.	Area irrigated received supplemental supply from 40N/7W-14A1.
41N/8W-36K1 (Sheet 14)	Clyde E. Fowler	East Fork Scott River	Irrig. Domestic Stock.	31 acres by flooding (a) 30 head	722	Riparian	--	--	About 1885	Gravity; earth and gravel dam 2 feet high, 100 feet long with 1.0 mile of earth ditch.	Former owners: Sweet, Bennett.
41N/8W-36P1 (Sheet 14)	Clyde E. Fowler	East Fork Scott River	Irrig. Stock.	21 acres by flooding --	371	Riparian	--	--	Prior 1900	Gravity; earth and gravel dam with 0.8 mile of earth ditch.	Former owners: Sweet, Bennett.
					EDDY CREEK SUBUNIT						
41N/5W-21P1 (Sheet 15)	Dwight Hammond	Springs tributary to Dale Creek	Irrig.	7 acres by flooding	50	Riparian	--	--	Prior 1910	Gravity; earth dam with 0.2 mile of earth ditch.	Former owners: J. Durney, C. S. Hammond
41N/5W-21R1 (Sheet 15)	Dwight Hammond	Shasta River	Irrig.	67 acres by flooding*	574*	Adjud.	0.60 cfs[h]	Mar. 80[f]	1895	Gravity; earth and rock dam 1.5 feet high, 6 feet long with 0.3 mile of earth ditch.	Former owners: Davidson, S. M. Dobkins. Portion of amount diverted irrigated an additional 96 acres jointly with 41N/5W-21A2 (Weed Subunit).

* See remarks.
** For additional information see Appendix D "Detailed Descriptions of Certain Surface Water Diversions".
-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M					EDDY CREEK SUBUNIT (Continued)						
41N/5W-27M1 (Sheet 15)	Dwight Hammond	Shasta River	Irrig.*	(*)	None	Adjud.	0.30 cfs[h] 0.25 cfs[j]	Par. 23[g]	1901	Gravity; earth and rock dam 1.5 feet high, 6 feet long with 1.2 miles of earth ditch.	Former owners: J. Durney, C. S. Hammond. Previously irrigated 35 acres jointly with 41N/5W-34L1.
41N/5W-28M1 (Sheet 15)	Stuart Hammond	Tributary to Shasta River	Irrig.	55 acres by flooding*	170*	Riparian	--	--	1914	Gravity; earth dam 2 feet high, 6 feet long with 0.4 mile of earth ditch.	Former owners: J. Durney, C. S. Hammond. Amount diverted received supplemental supply from 41N/5W-33B1, -33B2, and -33C1.
41N/5W-33B1 (Sheet 15)	Stuart Hammond	Shasta River	Irrig. Stock.	(*) 250 head	1,435*	Adjud.	1.31 cfs[h]	Par. 21[g]	1890	Gravity; earth dam 2 feet high, 6 feet long with 0.2 mile of earth ditch.	Former owners: J. Durney, C. S. Hammond. Amount diverted supplemented 41N/5W-28M1 for use reported thereunder.
41N/5W-33B2 (Sheet 15)	Stuart Hammond	Shasta River	Irrig.	(*)	351*	Adjud.	0.64 cfs[h]	Par. 22[g]	1886	Gravity; earth dam 2 feet high, 6 feet long with 0.1 mile of earth ditch.	Remarks for 41N/5W-33B1 apply.
41N/5W-33C1 (Sheet 15)	Stuart Hammond	Spring tributary to Shasta River	Irrig.	(*)	360*	Riparian	--	--	Prior 1900	Gravity; 0.2 mile of earth ditch.	Remarks for 41N/5W-33B1 apply.
41N/5W-34L1* (Import) (Sheet 15)	North Fork Ditch Dwight and Stuart Hammond	North Fork Sacramento River	Irrig.	471 acres by flooding*	1,572	Approp.	15.0 cfs	Appl.11281[c]	1949	Gravity; concrete dam 1 foot high, 12 feet long with 7.7 miles of earth ditch.	Point of entry into Shasta-Scott Hydrographic Unit. Area irrigated includes 35 acres normally irrigated jointly with 41N/5W-27M1.
					ETNA SUBUNIT						
41N/9W-6J1 (Sheet 13)	City of Etna	Etna Creek	Munic.*	256 connections	Not meas.	(b)	--	--	Prior 1958	Gravity; rock and steel dam with 2.0 miles of 18-inch pipe.	Supplies community of Etna.
42N/9W-9N1 (Sheet 10)	Gladys Hayden John T. Jenner	Patterson Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1900	Gravity; rock and earth dam with a short 10-inch pipe.	Former owners: Sam Lutrell, Frank Jenner. In 1958, the 71 acres normally served by this diversion were irrigated by 42N/9W-4R1 and 42N/9W-9J1.
42N/9W-4R1 (Sheet 1[illegible])	L. [illegible] Vincent	Patterson Creek	Irrig. Stock.	333 acres by flooding 10[illegible] head	847[m,n]	Riparian	--	--	Prior 1898	Gravity; rock and earth dam with 1.1 mile of earth ditch.	Uses indicated received supplemental supply from 42N/9W-9G1. 71 acres of area irrigated are normally irrigated by 42N/9W-3N1.

* See remarks.
** For additional information see Appendix [illegible] "Detailed Descriptions of Certain Surface Water Diversions".
-- Information not available.
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	References			
					ETNA SUBUNIT (Continued)						
[illegible]											
42N/9W-7F1 (Sheet 10)	Leland Young	Patterson Creek	Irrig. Stock.	331 acres by flooding* 150 head	1,053[n]	Approp.	—	—	Prior 1870	Gravity; rock dam 1.5 feet high, 30 feet long with 2.0 miles of earth ditch.	Former owners: Squire Wilson, Staff Wilson. Previously irrigated an additional 16 acres. Area irrigated received supplemental supply from 42N/9W-7J1.
42N/9W-7J1 (Sheet 10)	Leland Young	Patterson Creek	Irrig.	(a)	947[*n]	Approp.	—	—	Prior 1870	Gravity; rock dam 1.5 feet high, 30 feet long with 1.0 mile of earth ditch.	Former owners: Squire Wilson, Staff Wilson. Amount diverted supplemented 42N/9W-7F1 for use reported thereunder.
42N/9W-8M1 (Sheet 10)	Frank Simmons Leland Young	Patterson Creek	Irrig. Stock.	125 acres by flooding 90 head	227[n]	Approp.	—	—	1872	Gravity; rock dam 2 feet high, 15 feet long with 1.0 mile of earth ditch.	Former owners: J. Davidson, John Simmons.
42N/9W-9F1 (Sheet 10)	[illegible]	Patterson Creek	Irrig.	1,067 acres by flooding*	Not meas.	Approp.	—	—	Prior 1958	Gravity; rock and timber dam with 0.4 mile of 10-inch pipe.	Former owner: Newton. Previously irrigated an additional 43 acres.
42N/9W-9[illegible] (Sheet 10)	L. H. Vincent	Patterson Creek	Irrig. Stock.	152 acres by flooding* 200 head	225[*n]	Riparian	—	—	Prior 1900	Gravity; earth and rock dam with 1.3 miles of earth ditch.	Former owners: Roy Estes, Calvin Hall, Ray Miller. Portion of amount diverted supplemented 42N/9W-4M1 for use reported thereunder.
42N/9W-[illegible] (Sheet 10)	[illegible] Wickham	Crystal Creek	Irrig.	(a)	12[*n]	Riparian	—	—	Prior 1914	Gravity; earth dam 2 feet high, 12 feet long with 0.2 mile of earth ditch.	Amount diverted supplemented 42N/9W-17H2 for use reported thereunder.
42N/9W-17H1 (Sheet 10)	[illegible] McConnell	Crystal Creek	Irrig.	457 acres by flooding*	Not meas.	Approp.	—	—	Prior 1900	Gravity; concrete dam* 5 feet high, 24 feet long with 75 feet of 12-inch pipe and 0.5 mile of earth ditch.	Former owners: Wilson, Kinney, Campbell, Johnson. Use indicated received supplementary supply from 42N/9W-17M1. Same dam also serves 42N/9W-17H2.
[illegible] 7H2 (Sheet 10)	[illegible] Wickham	Crystal Creek	Irrig. Stock.	176 acres by flooding* 50 head	124[n]	Riparian	—	—	Prior 1914	Gravity; concrete dam* 5 feet high, 24 feet long with 0.2 mile of earth ditch.	Previously irrigated an additional 38 acres. Received supplemental supply from 42N/9W-16E1. Same dam also serves 42N/9W-17H1.
[illegible] 17[illegible] (Sheet 10)	Karl McConnell	Crystal Creek	Irrig. Stock.	47[illegible] acres by flooding 200 head	Not meas.*	Approp.	—	—	Prior 1900	Gravity; concrete and timber dam with 1.0 mile of 12-inch pipe.	Former owners: Wilson, Kinney, Campbell, Johnson. Portion of amount diverted supplemented 42N/9W-17H1 for use reported thereunder.
[illegible] (Sheet 10)	Margaret Wickham	Crystal Creek	Irrig. Stock.	[illegible] acres by flooding 50 head	52[n]	(b)	—	—	Prior 1914	Gravity; concrete and timber dam with 0.3 mile of earth ditch and a small regulatory reservoir.	Former owners: C. V. Green, John Simmons.
[illegible] (Sheet 10)	[illegible] Mathews	S fork tributary to [illegible] Creek	Irrig. Domestic Stock.	[illegible] acres by flooding (a) 200 head	Not meas.	(b)	—	—	Prior 1910	Gravity; earth dam 12 feet high, 75 feet long with 0.2 mile of 6-, 4-, and 2-inch pipe.	Former owners: Elias Smith, Bennett Company.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M					ETNA SUBUNIT (Continued)						
42N/9W-22R1 (Sheet 10)	Wagner Brothers	Etna Creek	Irrig.	79 acres by flooding*	701*,n	Riparian	—	--	Prior 1900	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owner: Morgan. Use indicated supplemented by 42N/9W-32R1.
42N/9W-26L1 (Sheet 10)	F. Douglas Horn	Scott River	Irrig. Stock.	6 acres by sprinkler* --	4	Riparian	--	--	Prior 1930	Pump; 40-hp steam engine with a short 4-inch pipe.	Former owners: Hughes, Eller, Baird. Previously irrigated an additional 13 acres.
42N/9W-27F1 (Sheet 10)	F. Douglas Horn	Etna Creek	Irrig.*	(*)	None	Approp.	--	--	About 1880	Gravity; rock and gravel dam with 0.3 mile of earth ditch.	Former owners: Hughes, Eller, Baird. Previously irrigated 272 acres jointly with 42N/9W-27M1.
42N/9W-27M1 (Sheet 10)	F. Douglas Horn	Etna Creek	Irrig. Domestic Stock.	272 acres by flooding* (a) 50 head	50	Approp.	--	--	About 1880	Gravity; gravel dam with 1.0 mile of earth ditch.	Former owners: Hughes, Eller, Baird. Area is normally irrigated jointly with 42N/9W-27F1.
42N/9W-28C1 (Sheet 10)	Carl Hammond	Johnson Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1912	Gravity; earth and timber dam 3 feet high, 10 feet long with short earth ditch.	Former owner: Matt Smith. Previously irrigated 18 acres.
42N/9W-28J1 (Sheet 10)	Wagner Brothers	Etna Creek	Irrig. Stock.	63 acres by flooding* 50 head	919n	Riparian	--	--	Prior 1900	Gravity; earth and rock dam with 1.4 miles of earth ditch.	Former owner: Hughes. Previously irrigated an additional 64 acres.
42N/9W-28Q1 (Sheet 10)	W. J. Halliday	Etna Creek	Irrig.	197 acres by flooding*	516*,n	Approp.	--	--	Prior 1914	Gravity; rock dam with 1.4 miles of earth ditch.	Former owner: Feldy. Use indicated received supplemental supply from 41N/9W-21N1 (Callahan Subunit). Previously irrigated an additional 272 acres.
42N/9W-29G1 (Sheet 10)	Carl Hammond	Johnson Creek	Irrig. Domestic Stock.	235 acres by flooding and sprinkler* (a) 150 head	607n	Riparian	--	--	Prior 1912	Gravity; earth and rock dam 2 feet high, 12 feet long with 1.0 mile of earth ditch and 3,300 feet of 12-inch and 4-inch pipe.	Former owner: Matt Smith. Use indicated received supplemental supply from 42N/9W-29H1.
42N/9W-29G2 (Sheet 10)	J. R. McNamee	Johnson Creek	Irrig. Stock.	122 acres by flooding 50 head	83n	Riparian	--	--	Prior 1900	Gravity; earth and timber dam with 0.1 mile of earth ditch and 0.3 mile of 8-inch pipe.	Former owners: John Valin, Stanley, Campbell.
42N/9W-29H1 (Sheet 10)	Carl Hammond	Johnson Creek	Irrig.	(*)	Not measd.	Riparian	--	--	Prior 1912	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owner: Matt Smith. Amount diverted supplemented 42N/9W-29G1 for use reported thereunder.
42N/9W-32R1 (Sheet 10)	Etna Mill Ditch Wagner Brothers	Etna Creek	Irrig. Stock.	777 acres by flooding* 350 head	2,991*,n	Riparian	--	--	Prior 1860	Gravity; rock and earth dam 2 feet high, 25 feet long with 3.7 miles of earth ditch.	Former owner: Morgan. Previously irrigated an additional 3 acres. Portion of amount diverted supplemented 42N/9W-22R1 for use reported thereunder.
42N/9W-33E1 (Sheet 10)	Kenneth Depew	Etna Creek	Irrig. Stock.	23 acres by flooding 40 head	214n	(b)	--	--	About 1882	Gravity; earth and rock dam 1.5 feet high, 30 feet long with 0.4 mile of earth ditch.	Former owners: Hyde, A. A. Eller.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M					ETNA SUBUNIT (Continued)						
43N/9W-11M1 (Sheet 7)	B. F. Davidson	Kidder Creek Slough	Irrig.	335 acres by sprinkler	Not meas.	Approp.	2.5 cfs	Appl.16536[c]	1955	Pump; 40-hp motor with a short 8-inch pipe.	
43N/9W-25K1 (Sheet 7)	Glendenning Brothers	Kidder Creek	Irrig.	309 acres by flooding	Not meas.	Riparian	--	--	About 1852	Gravity; 0.4 mile of earth ditch.	Former owners: William and Thomas Glendenning, J. A. Glendenning.
43N/9W-31A1 (Sheet 7)	Thomas V. Huddle	Kidder Creek	Irrig. Stock.	265 acres by flooding 150 head	466[n]	Riparian	--	--	Prior 1921	Gravity; earth and rock dam 2 feet high, 20 feet long with 0.8 mile of earth ditch.	
43N/9W-31D1 (Sheet 7)	Stanley M. Friden	Kidder Creek	Irrig. Stock.	224 acres by flooding* 200 head	297*	Approp.	--	--	Prior 1900	Gravity; earth and rock dam with 3.0 miles of earth ditch.	Former owners: Lewis, Finwall. Area irrigated is located in Lower Scott Valley Subunit. Portion of amount diverted supplemented 43N/9W-17A1 (Lower Scott Valley Subunit) for use reported thereunder.
43N/9W-33C1 (Sheet 7)	Thomas V. Huddle Ray Taylor	Springs tributary to Scott River	Irrig.*	16 acres by flooding	None	Riparian	--	--	Prior 1900	Gravity; timber dam with 0.2 mile of earth ditch.	Former owners: Ed Walke, John Valin.
43N/9W-34Q1 (Sheet 7)	John T. Jenner	Patterson Creek Slough	Irrig. Stock.	242 acres by flooding 100 head	210	Riparian	--	--	1942	Pump; gasoline engine with 0.4 mile of earth ditch.	
43N/9W-34Q2 (Sheet 7)	John T. Jenner	Patterson Creek Slough	Irrig. Stock.	42 acres by flooding 100 head	Not meas.	Riparian	--	--	1920	Gravity; concrete dam 4 feet high, 12 feet long with 0.3 mile of earth ditch.	
43N/10W-35R1 (Sheet 7)	Barker Ditch Thomas V. Huddle, et al.[f]	Kidder Creek	Irrig. Power Stock.	1,675 acres by flooding* 2.5 kw 450 head	3,466[n]	(b)	--	--	Prior 1898	Gravity; earth and rock dam with 8.0 miles of earth ditch.	Former owners: Central Pacific Railroad, Henry Allee, Charles T. Webb, Edward L. Billings. Previously irrigated an additional 11 acres.
43N/10W-36L1 (Sheet 7)	W. H. Smith	Spring tributary to Kidder Creek	Irrig.	7 acres by flooding	97[n]	Approp.	50 MI	Vol. 2, pg. 168[e]	1884	Gravity; earth dam with 1.5 miles of earth ditch and pipe flume.	Former owners: J. Williams, J. C. Goze and Antone De Mello, Ed and Newt Hayes, Warren B. Smith.
43N/10W-36M1 (Sheet 7)	Wright and Fletcher Ditch C. Custer, et al.[f]	Kidder Creek	Irrig.	1,876 acres by flooding*	7,155[n]	Approp.			1872	Gravity; rock dam with 1.0 mile of earth ditch to 1.5 miles of natural channel and 7.0 miles of earth ditch.	Former owners: Wright and Fletcher. Previously irrigated an additional 32 acres.
					GRASS LAKE SUBUNIT						
					(No diversions located in this subunit)						

* See remarks.
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-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M					GRENADA SUBUNIT						
42N/6W-2P1 (Sheet 11)	Edson L. Foulke	Kiernan Slough	Irrig. Stock.	109 acres by flooding* 120 head	230*	Riparian	--	--	Prior 1958	Gravity; earth dam 6 feet high, 20 feet long with 0.5 mile of earth ditch.	Previously irrigated an additional 4 acres. Area irrigated received supplemental supply from 41N/5W-9P1 (Weed Subunit). Amount diverted irrigated an additional 6 acres jointly with 42N/6W-2P2.
42N/6W-2P2 (Sheet 11)	Edson L. Foulke	Kiernan Slough	Irrig. Stock.	20 acres by flooding* 30 head	719*	Adjud.	0.60 cfs[h] 0.25 cfs[j]	Par. 121[g]	1856	Gravity; earth dam 5 feet high, 15 feet long with 1.0 mile of earth ditch.	Former owner: Edson and Foulke Company. Amount diverted irrigated an additional 6 acres jointly with 42N/6W-2P1.
42N/6W-3H1 (Sheet 11)	Edson L. Foulke	Willow Creek	Irrig.	698 acres by flooding*	1,310	Adjud.	(**)	(**)	About 1854	Gravity; 0.7 mile of earth ditch.	Former owner: Edson and Foulke Company. Area irrigated received supplemental supply from 41N/5W-9P1. (Weed Subunit).
42N/6W-3R1 (Sheet 11)	Fred Carpenter	Willow Creek	Irrig.	38 acres by sprinkler	50	Riparian	--	--	Prior 1958	Pump; electric motor with a short pipeline.	
42N/6W-9P1 (Sheet 11)	Dan Shelley	Willow Creek	Irrig.	16 acres by flooding	Not meas.	Adjud.	0.10 cfs[h]	Par. 307[g]	1890	Gravity; 200 feet of earth ditch.	Former owners: L. Wortman, Nelson W. Chisholm.
42N/6W-9Q1 (Sheet 11)	Dan Shelley	Willow Creek	Irrig.	213 acres by flooding*	80*	Adjud.	0.25 cfs[h]	Par. 41[g]	1890	Gravity; rock and gravel dam with 0.4 mile of earth ditch.	Former owner: Nelson Chisholm. Amount diverted irrigated an additional 143 acres jointly with 42N/6W-19A1 (Willow Creek Subunit).
42N/6W-9R1 (Sheet 11)	Dan Shelley	Willow Creek	Irrig.	46 acres by flooding	40	Riparian	--	--	1860	Gravity; rock and gravel dam with 0.2 mile of earth ditch.	Former owner: Mary Finnerty.
42N/6W-10G1 (Sheet 11)	Edson-Foulke Yreka Ditch Co.	Willow Creek	Irrig.	(**)	Not meas.	Adjud.	(**)	(**)	1909	Gravity; earth dam 6 feet high, 15 feet long with webb lateral.**	(**)
42N/6W-10L1 (Sheet 11)	Glen G. Maxwell	Willow Creek	Irrig.	8 acres by flooding	80	Riparian	--	--	Prior 1958	Gravity; 0.1 mile of earth ditch.	
42N/6W-16C1 (Sheet 11)	Dan Shelley	Willow Creek	Irrig.	29 acres by flooding*	120*	Riparian	--	--	1875	Gravity; 0.3 mile of earth ditch.	Former owner: Nelson Chisholm. Amount diverted irrigated an additional 98 acres jointly with 42N/6W-19A1 (Willow Creek Subunit).
42N/6W-16E1 (Sheet 11)	Howard Damron	Willow Creek	Irrig.*	(*)	None	Adjud.	2.40 cfs[h]	Par. 158[g]	Prior 1880	Gravity; rock dam 3 feet high, 15 feet long with 0.2 mile of earth ditch.	Former owners: M. E. Harris, Van Horn, Chamberlain, Johnsen, Richardson. Previously irrigated 62 acres.
43N/5W-6D1 (Sheet 9)	Grenada Irrigation District	Shasta River	Irrig.	1,541 acres by flooding*	6,268	Approp.	40 cfs	Appl. 448[c]	1898	(**)	(**)

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M					GRENADA SUBUNIT (Continued)						
43N/5W-6D2 (Sheet 9)	Huesman Ditch Frank Brahs, et al.[f]	Shasta River	Irrig.	1,176 acres by flooding*	9,077*,[n]	Adjud.	11.90 cfs[k] 5.00 cfs[m]	Par. 124[g]	1862	Gravity; wood gate 5 feet high, 5 feet long with 12 miles of earth ditch and 3 storage reservoirs.	Former owners: Edson and Foulke Company, Manuel De Sozo. Portion of amount diverted irrigated an additional 202 acres jointly with 44N/6W-25F1.**
43N/6W-2F1 (Sheet 8)	Samuel Bruinsma	Willow Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1958	Gravity; concrete headgate 2 feet high, 4 feet long with 0.4 mile of earth ditch.	Former owners: Orr Brothers, Orr Estate, D. H. McGargar. Previously supplemented 43N/6W-2L1.
43N/6W-2L1 (Sheet 8)	Samuel Bruinsma	Willow Creek	Irrig.	179 acres by flooding*	338*	Riparian	--	--	Prior 1958	Gravity; wood headgate with 0.4 mile of earth ditch.	Former owners: Orr Brothers, Orr Estate, D. H. McGargar. Area irrigated previously received supplemental supply from 43N/6W-2F1.
43N/6W-11B1 (Sheet 8)	Samuel Bruinsma	Willow Creek	Irrig.	12 acres by flooding	24	Riparian	--	--	Prior 1958	Gravity; concrete headgate 2 feet high, 4 feet long with 0.3 mile of earth ditch.	Former owners: Orr Brothers, Orr Estate, D. H. McGargar.
43N/6W-11G1 (Sheet 8)	Samuel Bruinsma	Willow Creek	(*)	(*)	434	Adjud.	0.10 cfs[h]	Par. 112[g]	Prior 1958	Gravity; earth dam 2 feet high, 50 feet long with 2.2 miles of earth ditch.	Former owner: W. O. Duke. Purpose of diversion in year of survey was leaching an alkali field.
43N/6W-14N1 (Sheet 8)	J. L. Price	Tributary to Willow Creek	Irrig.	(*)	20*	(b)	--	--	1946	Pump; 10-hp motor with a short pipeline.	Amount diverted supplemented 43N/6W-23N1 for use reported thereunder.
43N/6W-22R1 (Sheet 8)	J. L. Price	Springs tributary to Willow Creek	Irrig.	(*)	40*	(b)	--	--	About 1850	Pump; 20-hp motor with a short pipeline.	Remarks for 43N/6W-22R1 apply.
43N/6W-23N1 (Sheet 8)	J. L. Price	Orr Slough	Irrig.	621 acres by flooding*	544*	Riparian	--	--	1944	Gravity; earth dam 7 feet high, 150 feet long with 0.8 mile of earth ditch. A sump at base of dam 200 feet long, 40 feet wide, 20 feet deep has a short earth ditch to connection with 43N/6W-26C1 and a 10 hp pump with 50 feet of 6-inch pipe to 1.6 miles of earth ditch from dam.	Former owner: Richard Richman. Previously irrigated an additional 18 acres. Amount diverted supplemented by 43N/6W-26C1, 43N/6W-14N1 and 43N/6W-22R1.
43N/6W-24E1 (Sheet 8)	Mills Ranch Corp.	McCloud Slough	Irrig. Stock.	87 acres by flooding 40 to 80 head	Not meas.	(b)	--	--	Prior 1900	Gravity; earth dam 1 foot high, 20 feet long with short earth ditch to field.	
43N/6W-25D1 (Sheet 8)	Edson L. Foulke	McCloud Slough	Irrig.	114 acres by flooding	Not meas.	Adjud.	2.00 cfs*,[h] 1.00 cfs*,[j]	Par. 122[g]	About 1856	Gravity; timber dam 20 feet long, 4 feet high with 0.5 mile of earth ditch.	Former owner: Edson and Foulke Company. Reported water right amounts may be diverted all or in part by this diversion, 43N/6W-26H1, or 43N/6W-26H2.

* See remarks.
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-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M					GRENADA SUBUNIT (Continued)						
43N/6W-26C1 (Sheet 8)	J. L. Price	Willow Creek	Irrig.	(*)	447*	Adjud.	2.70 cfs[h] 0.50 cfs[j]	Par. 253[g]	About 1850	Gravity; earth and rock dam with 1.5 miles of earth ditch.	Former owners: A. S. Orr, Montague and Medord Feed Lot Company, Richard Richman. Amount diverted supplemented 43N/6W-23N1 for use reported thereunder.
43N/6W-26H1 (Sheet 8)	Edson L. Foulke	McCloud Slough	Irrig.	12 acres by flooding*	Not meas.	Adjud.	(*)	(*)	About 1856	Gravity; timber headgate with 0.3 mile of earth ditch.	Former owner: Edson and Foulke Company. Previously irrigated an additional 38 acres. For water right details see 43N/6W-25D1.
43N/6W-26H2 (Sheet 8)	Edson L. Foulke	McCloud Slough	Irrig.	23 acres by flooding	Not meas.	Adjud.	(*)	(*)	About 1856	Gravity; 0.2 mile of earth ditch.	Former owner: Edson Foulke Company. For water right details see 43N/6W-25G1.
43N/6W-34R1 (Sheet 8)	Edson L. Foulke	Willow Creek	Irrig.	387 acres by flooding*	44	Approp.	308 af	Appl.11092[c]	1856	Gravity; gravel and log dam 40 feet long with 1.2 miles of earth ditch to a 308-acre-foot storage reservoir.	Former owners: Edson Brothers, Edson and Foulke Company. Area irrigated received supplemental supply from 44N/5W-9P1 (Weed Subunit).
44N/5W-19G1 (Sheet 6)	Charles T. and Ellen B. Drummond	White Slough	Irrig.	55 acres by flooding*	Not meas.*	Approp.	38 af	Appl.17639[c]	1948	Gravity and storage; earth dam 15 feet high, 900 feet long with 0.2 mile of earth ditch.	Amount diverted supplemented by 44N/5W-20M1.
44N/5W-20M1 (Sheet 6)	Charles T. and Ellen B. Drummond	Springs tributary to White Slough	Irrig.	3 acres by flooding*	Not meas.*	Approp.	30 af	Appl.17639[c]	Prior 1957	Gravity and storage; earth dam 12 feet high, 250 feet long with 1.5 miles of earth ditch.	Former owners: Edson and Foulke Company, Huesman, Lou Foulke, Prather, Davis. Previously irrigated an additional 7 acres. Amount diverted supplemented 44N/5W-19G1 for use reported thereunder.
44N/6W-3R1 (Sheet 5)	John L. Doren	Shasta River	Irrig.	128 acres by flooding	835	Riparian	--	--	Prior 1925	Pump; electric motor with 300 feet of 10-inch pipe to 1.7 miles of earth ditch.	Former owners: Gilpin, N. H. Hudson, L. E. Edmonds, Suzy Hudson.
44N/6W-10A1 (Sheet 5)	Willierd and Merl Freeman	Shasta River	Irrig.	51 acres by flooding	47	Riparian	--	--	Prior 1922	Pump; 10-hp motor with 1,650 feet of 10-inch pipe to 0.7 mile of earth ditch.	Former owners: Joe Enoe, Brown, Edmonds, Evans.
44N/6W-11L1 (Sheet 5)	John L. Doren	Shasta River	Irrig. Stock.	47 acres by flooding 130 head	99	Adjud.	1.80 cfs[k]	Par. 138[g]	1885	Gravity; 2.0 miles of earth ditch.	Former owners: Gilpin, N. H. Hudson, L. E. Edmonds, Suzy Hudson.
44N/6W-11A1 (Sheet 5)	Roland Ekstrom	Shasta River	Irrig.	14 acres by flooding	48	Approp.	0.25 cfs	Appl.4831[c]	About 1952	Pump; 5-hp motor with 132 feet of 4½-, 5-, and 8-inch pipe to 0.2 mile of earth ditch.	
44N/6W-16M1 (Sheet 5)	R. E. H. Julien	Cottonwood Creek	Irrig.*	(*)	None	Riparian	--	--	Prior 1925	Gravity; earth dam with 1.0 mile of earth ditch.	Former owners: Neuswander Julien, Octavia Julien, Octavia Julien Estate. Previously supplemented 44N/6W-21A1.

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-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					GRENADA SUBUNIT (Continued)						
[illegible]											
[illegible] (Sheet 5)	Sarah [illegible]rr	[illegible] Gulch	Irrig. Stock.	142 acres by flooding --	132	Adjud.	0.45 cfs[h]	Par. 3[illegible]	About [illegible]	Gravity; [illegible] with [illegible] mile of earth ditch.	Former owners: T[illegible]rr, Charles [illegible] [illegible]rr.
[illegible] A[illegible] (Sheet 5)	[illegible] Julien	Cottonwood Creek Guys Gulch	Irrig.	5[illegible] acres by flooding*	49	Approp.	49 af	Ap[illegible]13283[f]	Prior 1925	Storage and gravity; 49 acre-foot reservoir with [illegible] mile of earth ditch.	Area irrigated previously received supplemental supply from [illegible].
[illegible] A2 (Sheet 5)	[illegible] Julien	Julien Creek	Irrig.	35 acres by flooding*	865*	Riparian	—	—	Prior 1925	Gravity; 80 feet of wood flume to 0.9 mile of earth ditch.	Former owner: [illegible] Julien Estate. Previously irrigated an additional 19 acres. Portion of amount diverted supplemented 44N/6W-22D1 for use reported thereunder.
[illegible]-2 C1 (Sheet 5)	[illegible] Julien	Guys Gulch	Irrig.	26 acres by flooding	30	Riparian	--	--	1956	Gravity; [illegible] and earth dam with 0.7 mile of earth ditch.	
[illegible] (Sheet 5)	[illegible] Julien	Julien Creek	Irrig.	68 acres by flooding*	[illegible]33*	Riparian	--	--	Prior 1925	Gravity 0.[illegible] mile of earth ditch.	Former owner: Octavia Julien Estate. Previously irrigated an additional 19 acres. Amount diverted supplemented by 44N/6W-21A2.
[illegible] F1 (Sheet 5)	Gerald Jenkins	Shasta River	Irrig.	[illegible]7 acres by flooding	2,502*,n	Riparian	--	--	Prior [illegible]	Gravity; earth dam [illegible] feet high, 40 feet long with 2.[illegible] miles of earth ditch.	**Former owners: [illegible] Company, [illegible]. Portion of amount diverted irrigated [illegible] additional [illegible] acres jointly with [illegible].
[illegible]C (Sheet 5)	[illegible] Brunner	[illegible] Creek	Irrig.	112 acres by flooding	Not meas.	Riparian	—	—	Prior 195[illegible]	Gravity; two concrete headgates and 3 canvas settings with [illegible] mile of earth ditch.	Former owners: [illegible] Brothers [illegible], D. [illegible].
[illegible] (Sheet 5)	[illegible]	Grenada Irrigation District Drain	Irrig.	[illegible]7 acres by flooding	[illegible]4	Riparian	--		[illegible] 1958	Gravity, concrete headgate with 0.4 mile of earth ditch.	Former owners: [illegible].
[illegible] (Sheet 5)	[illegible]rr	Guys Gulch	Irrig.	75 acres by flooding	51	Riparian	--	--	About [illegible]	Gravity; earth and gravel dam with 0.7 mile of earth ditch.	Former owners: T[illegible]rr, [illegible] Orr.
[illegible] (Sheet 5)	William [illegible]	Guys Gulch	Irrig. Stock.	[illegible] acres by flooding --	[illegible]	(b)	--	--	Prior [illegible]	Gravity; earth and rock dam with [illegible] mile of earth ditch.	Former owner: [illegible] Henry.
[illegible] (Sheet 5)	William [illegible]	[illegible] tributary to Guys Gulch	Irrig. Stock.	2[illegible] acres by flooding* --	[illegible]60	(b)	--	-	Prior [illegible]	[illegible]; [illegible]-hp motor with [illegible] feet of 6-inch pipe.	Former owner: [illegible] Henry. Area irrigated received supplemental supply from [illegible].
[illegible] (Sheet 5)	William J. [illegible]	Guys Gulch	Irrig. Stock.	(-)	[illegible]*	(b)	--		Prior [illegible]	Gravity; earth and rock dam with [illegible] mile earth ditch.	Former owner: [illegible] Henry. Amount diverted supplemented [illegible].
[illegible] (Sheet 5)	William [illegible]	Guys Gulch	Irrig. Stock.	18 acres by flooding* --	4[illegible]*	Adjud.	0.[illegible] cfs[h]	Par. 7[B]	[illegible]	Gravity; earth [illegible] and [illegible] with [illegible] earth ditch.	Former owner: [illegible]. [illegible] irrigated received supplemental supply from [illegible].

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					GRENADA SUBUNIT (Continued)						
B & M											
44N/6W-[illegible] (Sheet 5)	William J. Ballerda	Guys Gulch	Irrig. Stock.	(*)	20[e]	Adjud.	0.20 cfs[b]	Par. 6[g]	1892	Gravity; earth and board dam with 0.2 mile of earth ditch.	Former owner: J. H. Almender. Amount diverted supplemented 44N/6W-30K1.
44N/6W-3 D1 (Sheet 5)	W. [illegible] Wanaka	Guys Gulch	Irrig.	8 acres by flooding	40	Riparian	--	--	About 1850	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owner: Merry.
44N/6W-35 [illegible] (Sheet 5)	Samuel Brinsea	Willow Creek	Irrig. Stock.	159 acres by flooding --	Not meas.	Adjud.	0.80 cfs[g]	Par. 310[e]	1870	Gravity; earth dam with 0.7 mile of earth ditch.	Former owners: Orr Brothers Corp., D. H. McGarger. 0.80 cfs March 1 to November 1.
44N/[illegible] (Sheet 5)	Samuel Brinsea	Grenada Irrigation District Drainage Ditch	Irrig.	215 acres by flooding	987	Riparian	--	--	Prior 1924	Gravity; concrete headgates with 0.6 mile of earth ditch.	Former owners: Orr Brothers, D. H. McGargar.
[illegible]	[illegible] Jarvis	Schuelleyer Gulch	Irrig. Stock.	(*) (*)	None	(b)	--	--	Prior 1957	Gravity; earth dam 31 feet high, 150 feet long with 0.3 mile of earth ditch.	Former owner: A. J. Kelley. Previously irrigated 14 acres and supplied 55 head of livestock.
[illegible]	Isaac J. Jarvis	Schuelleyer Gulch	Irrig. Stock.	(*) (*)	None	(b)	--	--	Prior 1938	Gravity; earth dam 25 feet high, 300 feet long with 0.4 mile of earth ditch.	Previously irrigated 23 acres and supplied 45 head of livestock.
					KIDDER CREEK SUBUNIT						
				No diversions located in this subunit							
					LITTLE SHASTA SUBUNIT						
[illegible]	[illegible]	[illegible] Gulch	Irrig.	3[illegible] acres by flooding	[illegible]	Riparian	--	--	About 1[illegible]	Gravity; earth and rock dam with [illegible] mile of earth ditch.	Former owner: Isaac J. Davis.
[illegible]	[illegible]	[illegible] Gulch	Irrig. Stock.	[illegible] acres by flooding 4 head	[illegible]	Riparian	--	Homestead	About 18[illegible]	Gravity; earth and timber dam with [illegible] mile of earth ditch.	Former owners: Davis Brothers
[illegible]	[illegible]	[illegible] Gulch	Irrig. Stock.	[illegible] acres by flooding 13 head	[illegible]	Riparian	--	--	About 1[illegible]55	Gravity; earth and timber dam with [illegible] mile of earth ditch.	Former owners: Jesse and Henry Davis, Glen Williams, Isaac S. Davis.

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TABLE 5(Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
[illegible] (Sheet 6)	[illegible] and Margaret A. [illegible]	[illegible]	Irrig. Stock.	45 acres by flooding* --	Not meas.[a]	Riparian	--	--	About 1855	Pump; 30-hp motor with 0.3 mile of earth ditch.	Former owners: John Kegg, Isaac S. Davis. Amount diverted supplemented by [illegible].
[illegible] (Sheet 6)	[illegible] and Margaret A. Davis	Davis Gulch	Irrig. Stock.	37 acres by flooding --	Not meas.	Riparian	--	--	About 1855	Gravity; earth and rock dam with 300 feet of earth ditch.	Former owners: John Kegg, Isaac Davis.
[illegible] (Sheet 6)	[illegible] and Margaret A. Davis	Davis Gulch	Irrig. Stock.	(a) --	Not meas.[a]	Riparian	--	--	About 1855	Gravity; concrete dam 4 feet high, 20 feet long with short earth ditches.	Former owner: Isaac S. Davis. Amount diverted supplemented [illegible] for use reported thereunder.
[illegible] (Sheet 6)	[illegible] and Irene D. Watson	Shasta River	Irrig. Stock.	79 acres by flooding 175 head	82	Adjud.	1.10 cfs[k]	Par. 206[g]	1877	Gravity; 1.0 mile of earth ditch.	Former owners: Frank J. King, George W. King, George Flock.
[illegible] (Sheet 6)	Shasta River Water Users Association	Shasta River	Irrig.	4,172 acres by flooding	12,641	Adjud.	42.0 cfs[k]	Par. 341[g]	191[illegible]	Pumps; 375-hp motor with 1,970 feet of 24-inch pipe to 7.5 miles of earth ditch and a second 375 hp motor with 1,700 feet of 36-inch pipe to 8.5 miles of earth ditch.	(**)
[illegible] (Sheet 6)	Donald [illegible] and Irene D. Watson	Shasta River	Irrig. Stock.	105 acres by flooding 175 head	89	Adjud.	1.15 cfs[k] 0.25 cfs[k]	Par. 205[g]	1877	Gravity; 1.0 mile of earth ditch.	Former owners: Frank J. King, George W. King, George Flock.
[illegible] (Sheet 5)	John L. Doren	Tributary to Shasta River	Irrig.	13 acres by flooding*	45[a]	Adjud.	0.15 cfs[k]	Par. 140[g]	1885	Gravity; 0.2 mile of earth ditch.	Former owners: H. H. Hudson, L. E. Edmonds. Amount diverted supplemented by [illegible].
[illegible] (Sheet 5)	John L. Doren	Tributary to Shasta River	Irrig.	16 acres by flooding*	18[a]	Adjud.	0.20 cfs[k]	Par. 139[g]	1912	Gravity; 0.3 mile of earth ditch.	Former owners: H. H. Hudson, L. E. Edmonds. Amount diverted supplemented [illegible] for use reported thereunder.
45N/4W-16L (Sheet 5)	Harp Ditch Sidney F. Terwilliger	Little Shasta River	Irrig. Stock.	24 acres by flooding 75 head	176[*,n]	Adjud.	1.60 cfs[h] 0.30 cfs[k]	Par. 384[g]	1858	Gravity; rock and gravel dam with 3.4 miles of earth ditch.	Former owners: Harp, Barnum, Susan E. Terwilliger, Henry D. Terwilliger, Phillip E. Terwilliger. Amount diverted irrigated an additional 32 acres jointly with 45N/5W-18G1.
45N/4W-16G (Sheet 5)	Sidney F. Terwilliger	Ford Gulch	Irrig.	(*)	Not meas.[a]	Riparian	--	--	About 1855	Gravity; 0.4 mile of earth ditch.	Amount diverted irrigated 32 acres jointly with 45N/4W-16B1.
45N/4W-19L1 (Sheet 5)	Alfred C. and Viola M. Edmonds	Little Shasta River	Irrig.	30 acres by flooding and sprinkler	332[n]	Adjud.	0.12 cfs[k]	Par. 66[g]	About 1857	Gravity; log dam 4 feet high, 20 feet long with 1.0 mile of earth ditch to a 168 acre-foot reservoir.	Former owners: Mount Shasta Milling Company, Dimmick, Susie Rease, Edmunds, Jones. 0.12 cfs January 1 to December 31.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
B D H & M											
45N/4W-19L2 (Sheet 3)	Soule and Terwilliger Ditch L. L. Shelley Cline Soule	Little Shasta River	Irrig. Stock.	482 acres by flooding[a] 400 head	473	Approp. Adjud.	132.2 af[h] 3.30 cfs[h] 0.30 cfs[h] 3.30 cfs[j] 0.30 cfs[j]	Appl.13150[c] Par. 181[g] Par. 355[i]	About 1857	Gravity; 3.3 miles of earth ditch to a reservoir with an earth dam 45 feet high and 1,700 feet long.	Former owners: S. Terwilliger, W. T. Martin, Henry Janssen, Ray Soule. Previously irrigated an additional 154 acres.
45N/4W-20B1 (Sheet 3)	Haight, Deter and Kopp Ditch Harris R. and Edyth R. Connick	Spring tributary to Little Shasta River	Irrig. Domestic Stock.	871 acres by flooding[a] (a) 450 head	1,993	Adjud.	6.00 cfs[h] 2.00 cfs[j] 3.00 cfs[h] 0.50 cfs[j]	Par. 245[g] Par. 71[g]	1855	Gravity; 4.5 miles of earth ditch and 0.6 mile of pipe.	Former owners: Haight, Deter, Ramsey, Ida Martin, Isaac S. Davis. Previously irrigated an additional 61 acres. Area irrigated received supplemental supply from 45N/4W-20K2.
45N/4W-20B2 (Sheet 3)	Sidney F. Terwilliger	Spring tributary to Little Shasta River	Irrig. Domestic Stock.	100 acres by flooding (a) 75 head	Not meas.	Adjud.	1.12 cfs[h] 0.20 cfs[j] 5.60 cfs[j]	Par. 385[g] Par. 346[g]	1858	Gravity; concrete weir 5 feet high, 15 feet long with 1.0 mile of earth ditch.	5.60 cfs January 1 to December 31.
45N/4W-20J1 (Sheet 3)	Ida A. Martin	Elm Spring Creek	Irrig. Stock.	43 acres by flooding --	Not meas.	Adjud.	0.10 cfs[h]	Par. 248[g]	1855	Gravity; concrete weir 2 feet high, 6 feet long with 0.7 mile of earth ditch.	
45N/4W-20J2 (Sheet 3)	Ida A. Martin	Elm Spring Creek	Irrig. Domestic Stock.	6 acres by flooding[a] (a) --	Not meas.[d]	Adjud.	0.63 cfs[h] 0.50 cfs[j]	Par. 247[g]	1861	Gravity; concrete dam with 100 feet of 12-inch pipe to 0.2 mile of earth ditch.	Portion of amount diverted supplemented 45N/4W-29A1 for use reported thereunder.
45N/4W-29A1 (Sheet 3)	Ida A. Martin	Tunnel Spring	Irrig. Stock.	25 acres by flooding[a] --	Not meas.[d]	Riparian	--	--	1899	Gravity; earth dam with 0.2 mile of earth ditch.	Amount diverted supplemented by 45N/4W-20Q1.
45N/4W-29D1 (Sheet 3)	Ida A. Martin	Martin Spring Creek	Irrig. Stock.	26 acres by flooding --	Not meas.	Adjud.	2.63 cfs[h][e]	Par. 249[g]	1855	Gravity; concrete dam 2 feet high, 6 feet long with 0.1 mile of earth ditch.	Reported water right amount may be diverted all or in part by this diversion or 45N/4W-29D1.
45N/4W-29E1 (Sheet 3)	Ida A. Martin	Elm Spring Creek	Irrig. Stock.	164 acres by flooding --	Not meas.	Adjud.	(a)	(a)	1855	Gravity; 1.0 mile of earth ditch.	For water right details see 45N/4W-29B1.
45N/4W-29A1 (Sheet 3)	Price Martin	Tributary to Bassey Spring	Power	5.6 kw	Not meas.	Adjud.	1.40 cfs[j]	Par. 250	1910	Gravity; concrete encased spring with 400 feet of 12-inch pipe.	1.4 cfs January 1 to December 31.
45N/4W-[illegible]A1 (Sheet [illegible])	Grady I. Hart	Swamp Spring	Irrig. Domestic Stock.	13 acres by flooding[a] (a) --	Not meas.	Adjud.	0.36 cfs[j]	Par. 164[g]	1855	Gravity; [illegible] miles of earth ditch.	Former owners: [illegible], W. C. and R. C. Hart. 0.6 cfs January 1 to December 31. Previously irrigated an additional [illegible] acres.
45N/4W-[illegible]A1 (Sheet 3)	[illegible] and Margaret M. [illegible]	Ramsey Springs	Irrig. Stock.	211 acres by flooding[a] and sprinkler[a] 350 head	Not meas.[d]	Adjud.	3.59 cfs[j] 4.60 cfs[j]	Par. 246	[illegible]	Gravity; concrete [illegible] feet high, [illegible] feet long with [illegible] miles of earth ditch.	Former owners: John Kerr, I. S. Davis. Previously irrigated an additional [illegible] acres.
45N/4W-[illegible]K1 (Sheet 3)	Harris R. and Edyth R. [illegible]ck	Ramsey Springs Creek	Irrig. Stock.	(a) --	Not meas.[d]	Adjud.	3.00 cfs[j]	Adj. [illegible]	[illegible]	Gravity; concrete [illegible] feet high, [illegible] feet long with [illegible] miles of earth ditch.	Former owners: [illegible], Ella M. Martin, Davis. Water diverted supplemented 45N/4W-[illegible] for use reported thereunder.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
M D B & M											
45N/5W-3K1 (Sheet 3)	Herold W. McWilliams	Tributary to Oregon Slough	Irrig.	95 acres by flooding	Not meas.	Riparian	--	--	About 1939	Gravity; earth dam with 1.4 miles of earth ditch.	Former owner: Lichen.
45N/5W-25A1 (Sheet 3)	Ida A. Martin	Little Shasta River	Irrig. Stock.	12 acres by flooding* --	Not meas.	Adjud.	0.55 cfs[h] 0.15 cfs[j] 0.55 cfs[h] 0.15 cfs[j]	Par. 150[g] Par. 163[g]	1857	Gravity; rock and earth dam with 1.5 miles of earth ditch.	Former owners: A. C. Haight, E. C. hart. Previously irrigated an additional 21 acres.
45N/5W-25B1 (Sheet 3)	Babcock, Martin and Soule Ditch, Frank R. and Margaret S. Day, et al.[r]	Little Shasta River	Irrig. Stock.	469 acres by flooding* --	538[*,n]	Adjud.	0.56 cfs[h] 0.20 cfs[j] 4.66 cfs[h] 0.40 cfs[j] 0.06 cfs[h] 1.97 cfs[h] 0.30 cfs[j]	Par. 151[g] Par. 252[g] Par. 307[g] Par. 364[g]	1858	Gravity; 30-inch pipe to 1.4 miles of earth ditch.	Former owners: A. L. Babcock, W. T. Martin, Ann Soule, A. C. Haight, Clarence W. Soule, Mary J. O'Connor, Glenn H. Spencer. Portion of amount diverted supplemented 45N/5W-25B3 for use reported thereunder. Previously irrigated an additional 2 acres.
45N/5W-25B2 (Sheet 3)	Musgrave and Linton Ditch Myrtle Brown and Estate of Ira E. Brown, et al.[r]	Little Shasta River	Irrig. Domestic Stock.	689 acres by flooding* (a) —	1,153[*,n]	Adjud.	19.6 cfs[h] 2.10 cfs[j]	Par. 88[g]	1859	Gravity; rock and gravel dam with 4.3 miles of earth ditch.	Former owners: Ann Soule, E. F. Dreyer, Esther L. Earhart, Joseph Brown, Kate M. Fairchild, Katherine L. Newton, E. A. Sullivan, James F. Long, Mary J. O'Connor, L. Leo Brown, Clarence W. Soule. Amount diverted irrigated an additional 611 acres jointly with 43N/5W-25L1. Previously irrigated an additional 72 acres, of which 36 acres received supplemental supply from 43N/5W-25L1.
45N/5W-25B3 (Sheet 3)	Gladys I. Hart D. L. Reynolds	Little Shasta River	Irrig.	1,536 acres by flooding*	1,168[*,n]	Adjud.	15.0 cfs[h] 1.60 cfs[j]	Par. 152[g]	1855	Gravity; concrete and gravel dam with 3.0 miles of earth ditch.	Former owners: E. C. Hart, George M. Haight, Mary L. Prather. Area irrigated received supplemental supply from 45N/5W-25B1.
45N/5W-25F1 (Sheet 3)	L. L. Shelley D. L. Reynolds	Little Shasta River	Irrig. Stock.	26 acres by flooding* --	Not meas.	Adjud.	1.00 cfs[h] 0.63 cfs[h]	Par. 153[g] Par. 251[g]	1864	Gravity; 30-inch pipe to 1.6 miles of earth ditch.	Former owners: Smith, George M. Haight, W. T. Martin, Mattie A. Haight. Previously irrigated an additional 41 acres.

* See remarks.
** For additional information see Appendix D "Detailed Descriptions of Certain Surface Water Diversions".
— Information not available.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
M D B & M											
45N/5W-26R1 (Sheet 3)	D. L. Reynolds	Little Shasta River	Irrig.*	(*)	None	(b)	--	--	Prior 1958	Gravity; short earth ditch.	Irrigated 11 acres and supplied 1,000 head of livestock until 1958.
45N/5W-26R2 (not mapped)	Montague Water Conservation District	Little Shasta River	Munic. Domestic Indust.	(*) -- --	Not meas.*	Approp.	2.30 cfs	Appl. 4909	1926	Gravity; concrete weir with flash boards.	Amount diverted supplemented 43N/5W-25L1.
45N/5W-30J1 (Sheet 3)	Donald E. and Illene D. Watson	Little Shasta River	Irrig.	208 acres by flooding	586	Approp.	3.0 cfs 223 af 318 af	Appl.10982[c] Appl.13200[c]	1946 1949	Gravity; concrete dam 3 feet high, 4 feet long with 5.5 miles of earth ditch to a 345-acre-foot reservoir.	Former owner: George Fiock.
45N/5W-32H1 (Sheet 3)	Earl B. and Mildred C. Fiock	Little Shasta River	Irrig.	750 acres by flooding	4,224	Approp.	9.60 cfs 1,000 af 2,250 af 6 cfs	Appl.10949[c] Appl.11705[c] Appl.13462[c] Appl.11580[c]	1945	Gravity; concrete dam 4 feet high, 10 feet long with 5.5 miles of earth ditch to a 1,200-acre-foot reservoir.	
45N/5W-33A1 (Sheet 3)	Minnie A. Tamisiea	Little Shasta River	Irrig.	10 acres by flooding	Not meas.	Adjud.	0.63 cfs[h] 0.25 cfs[j]	Par. 381[g]	1905	Gravity; 0.1 mile of earth ditch.	Former owner: Hoyt.
45N/5W-33C1 (Sheet 3)	Minnie A. Tamisiea	Tributary to Little Shasta River	Irrig. Stock.	58 acres by flooding* --	Not meas.*	(b)	--	--	About 1930	Gravity and storage; earth dam 8 feet high, 700 feet long with weir gate to release to 0.3 mile of earth ditch.	Former owner: Babcock. Portion of amount diverted supplemented 45N/5W-33G1 for use reported thereunder.
45N/5W-33C2 (Sheet 3)	Minnie A. Tamisiea	Tributary to Little Shasta River	Irrig. Stock.	(*) --	Not meas.*	(b)	--	--	About 1930	Gravity and storage; earth dam 8 feet high, 700 feet long with weir gate to release to 0.2 mile of earth ditch.	Remarks for 45N/5W-33C1 apply.
45N/5W-33D1 (Sheet 3)	Minnie A. Tamisiea	Tributary to Little Shasta River	Irrig.	(*)	Not meas.	Riparian	--	--	About 1924	Gravity; gravel and board dam 3 feet high, 20 feet long with 0.2 mile of earth ditch.	Remarks for 45N/5W-33C1 apply.
45N/5W-33G1 (Sheet 3)	Minnie A. Tamisiea	Tributary to Little Shasta River	Irrig. Stock.	109 acres by flooding* --	Not meas.*	(b)	--	--	About 1930	Gravity and storage; earth dam 8 feet high, 700 feet long with weir gate to releasee to 0.2 mile of earth ditch.	Former owner: Babcock. Amount diverted supplemented by 45N/5W-33C1, 45N/5W-33C2, and 45N/5W-33D1.
45N/5W-34D1 (Sheet 3)	Minnie A. Tamisiea	Babcock Slough	Irrig. Stock.	17 acres by flooding* 100 head	Not meas.	Adjud.	1.00 cfs[h] 0.25 cfs[j]	Par. 380[g]	1858	Gravity; concrete and gravel dam 3 feet high, 16 feet long with 0.2 mile of earth ditch.	Former owners: Hoyt, Babcock. Previously irrigated an additional 10 acres.
45N/5W-34E1 (Sheet 3)	Minnie A. Tamisiea	Tributary to Little Shasta River	Irrig.	11 acres by flooding*	Not meas.	Riparian	--	--	About 1860	Gravity; earth dam with 0.2 mile of earth ditch.	Former owners: Noyt, Prather. Previously irrigated an additional 13 acres.

* See remarks.
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-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
M D B & M											
45N/5W-3L1 (Sheet 3)	J. B. Rohrer Minnie A. Tamislea	Little Shasta River	Irrig. Stock.	239 acres by flooding 40 head	Not meas.	Adjud.	2.17 cfs[h] 1.65 cfs[h]	Par. 379[g] Par. 320[g]	1858	Gravity; concrete dam 15 feet high, 100 feet long with 1.0 mile of earth ditch.	Former owners: Elizabeth Hoyt, Mary L. Prather.
45N/5W-35B1 (Sheet 3)	Arthur O'Connor	Little Shasta River	Irrig.*	(*)	None	Adjud.	1.30 cfs[h]	Par. 309[g]	1860	Gravity; earth dam with a short earth ditch.	Former owners: Grisez, Montry. Previously irrigated 74 acres, 36 acres of which were dry-farmed in 1958.
45N/5W-35B2 (Sheet 3)	D. L. Reynolds	Little Shasta River	Irrig. Stock.	10 acres by flooding —	Not meas.	Adjud.	0.11 cfs[h]	Par. 155[g]	1860	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Smith, Haight.
45N/5W-35C1 (Sheet 3)	Arthur O'Connor	Little Shasta River	Irrig.*	(*)	None	Adjud.	2.59 cfs[*,h]	Par. 308[g]	1860	Gravity; earth dam with 0.2 mile of earth ditch.	Former owners: Grisez, Montry. Previously irrigated 130 acres jointly with 45N/5W-26P1. Area was dry-farmed in 1958. Reported water right amount may be diverted all or in part by this diversion or 45N/5W-26P1.
45N/5W-35F1 (Sheet 3)	Gladys I. Hart	Little Shasta River	Irrig.	226 acres by flooding	Not meas.	Adjud.	2.99 cfs[h] 0.50 cfs[d]	Par. 165[g]	1860	Gravity; concrete dam with 0.9 mile of earth ditch.	Former owner: Kate C. Hart.
45N/6W-3F1 (Sheet 2)	G. Roland	Bunton Hollow Creek	Irrig.	64 acres by flooding	167[n]	Riparian	--	--	About 1929	Gravity; earth dam 5 feet high, 130 feet long with 0.7 mile of earth ditch.	
45N/6W-7G1 (Sheet 2)	F. A. and Joy M. Roberts	Shasta River	Irrig. Stock.	99 acres by flooding 100 head	234	Adjud.	1.75 cfs[k] 0.25 cfs[m]	Par. 342[g]	About 1875	Pump; 25-hp motor with 200 feet of 12-inch pipe and 1.5 miles of earth ditch.	Former owners: Manuel Rodgers, Manuel Prerea, John Silver, Joe Foster, Manuel Shelly, Frank Foster, George Foster, Lawrence Barnes, Dr. Simpson.
45N/6W-8A1 (Sheet 2)	Paul Clement	Mutton Creek	Irrig. Stock.	28 acres by flooding 150 head	Not meas.	(b)	—	--	About 1954	Gravity and storage; earth dam 18 feet high, 400 feet long with 0.1 mile of earth ditch.	Former owner: W. Gross.
45N/6W-8F1 (Sheet 2)	Mrs. Bertha Clement	Mutton Creek	Irrig. Stock.	86 acres by flooding* 100 - 300 head	Not meas.*	(b)	--	--	About 1954	Gravity and storage; earth dam 17 feet high, 800 feet long with 0.2 mile of earth ditch.	Amount diverted supplemented by 43N/5W-25L1 (Dwinnell Reservoir Subunit).

* See remarks.
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-- Information not available.
For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
[illegible]											
45N/6W-18H1 (Sheet 2)	Henry Flock	Shasta River	Irrig.	8 acres by flooding	60	Adjud.	0.25 cfs[k]	Par. 136[E]	About 1882	Gravity; crib dam 10 feet high, 63 feet long with 0.4 mile of earth ditch.	Former owner: Henry Flock.
45N/6W-20A1 (Sheet 2)	Earl B. and Mildred O. Flock Henry Flock	Oregon Slough	Irrig.	153 acres by flooding[a]	1,077[b]	Riparian	--	--	1876	Gravity; temporary earth dam, forming outside ditch berm of 45N/6W-20Q1, diverts all water in Oregon Slough.	Former owners: Charles O. Payot, George Flock. Amount diverted supplemented by 45N/6W-20Q1.
45N/6W-20Q1 (Sheet 2)	Earl B. and Mildred O. Flock Henry Flock	Shasta River	Irrig.	67 acres by flooding[a]	1,207[b]	Adjud.	1.30 cfs[k] 0.25 cfs[m] 0.35 cfs[k] 0.25 cfs[m] 4.25 cfs[k] 1.50 cfs[m]	Par. 313[E] Par. 134[E] Par. 135[E]	1876	Gravity; concrete dam 5 feet high, 75 feet long with 3.0 miles of earth ditch.	Former owners: Charles O. Payot, George Flock. Portion of amount diverted supplemented 45N/6W-20A1 for use reported thereunder.
45N/6W-[illegible] (Sheet 2)	Antonio Ditch [illegible] Manuel B. Araujo Earl B. and Mildred O. Flock Henry Flock	Shasta River	Irrig. Stock.	217 acres by flooding 175 head	6,126	Adjud.	3.50 cfs[k] 2.00 cfs[m] 0.30 cfs[k]	Par. 9[E] Par. 114[E]	1864	Gravity; timber dam with 4.5 miles of earth ditch.	Former owners: George Flock, G. W. Dwinnell.
45N/6W-21F1 (Sheet 2)	Earl B. and Mildred O. Flock	Oregon Slough	Irrig. Stock.	78 acres by flooding 75 head	74[b]	Adjud.	0.40 cfs[k]	Par. 314	1879	Gravity; rock dam with 1.0 mile of earth ditch.	Former owner: Charles O. Payot.
45N/6W-22C1 (Sheet 2)	Donald L. Beamber Morris L. Prather	Tributary to Oregon Slough	Irrig. Stock.	62 acres by flooding and sprinkler[a] 100 head	[illegible]	Approp.	11 af	Appl. 7344	1954	Gravity and storage; earth dam 10 feet high, 700 feet long with 0.1 mile of 6-inch pipe.	Area irrigated previously received supplemental supply from 45N/6W-22F1.
45N/6W-22F1 (Sheet 2)	Donald L. Beamber Morris L. Prather	Tributary to Oregon Slough	Irrig.*	(*)	None	Approp.	11 af	Appl. 7344[c]	1953	Pump and storage; earth [illegible] feet high, 300 feet long with [illegible]-hp gasoline engine and [illegible]-inch pipeline.	Previously supplemented 45N/6W-22C1.
45N/6W-[illegible] (Sheet 2)	Simon Knapp	Little Shasta River	Irrig. Stock.	124 acres by flooding 75 head	412	Adjud.	[illegible] cfs[k] 0.25 cfs[m]	Par. 182[E]	1864	Gravity; concrete dam with [illegible] miles of earth ditch.	Former owners: [illegible] Gregory, A. L. [illegible].
45N/6W-[illegible] (Sheet 2)	Earl B. and Mildred O. Flock	Shasta River	Irrig. Stock.	95 acres by flooding [illegible] head	495	Adjud.	1.20 cfs[k] 0.50 cfs[m]	Par. 320	1881	Gravity; rock dam with 5.0 miles of earth ditch.	Former owners: Bosonett, George Lewis and Mary Truphemus.

* See remarks
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-- Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					LITTLE SHASTA SUBUNIT (Continued)						
M D B & M											
45N/6W-29H1 (Sheet 2)	Mary Lemos	Shasta River	Irrig.	6 acres by flooding	340	Adjud.	0.30 cfs[k] 0.10 cfs[m]	Par. 216[g]	Prior 1881	Gravity; rock dam with 0.4 mile of earth ditch.	Former owner: George Lemos.
45N/6W-29H2 (Sheet 2)	Mary Lemos	Shasta River	Irrig.	31 acres by flooding	58	Adjud.	0.40 cfs[k]	Par. 217[g]	Prior 1881	Pump; electric motor with 0.1 mile of pipeline to 0.2 mile of earth ditch.	Former owners: Bosonett, Canelsaous, Laird, George Lemos.
45N/6W-33A1 (Sheet 2)	Morris L. Prather	Little Shasta River	Irrig.	(*)	40*	Riparian	--	--	About 1910	Pump; 10-hp motor with 900 feet of 6-inch pipe.	Former owners: Lucas, Merrill, Frank Mosea. Amount diverted supplemented 45N/6W-34D1 for use reported thereunder.
45N/6W-33K1 (Sheet 2)	George Flock	Coyote Ravine	Irrig. Stock.	47 acres by flooding* 20 head	43	Adjud.	0.25 cfs[k]	Par. 210[g]	1880	Gravity; timber dam with 0.3 mile of earth ditch.	Former owners: J. F. King, George F. King.
45N/6W-34D1 (Sheet 2)	Morris L. Prather	Tributary to Little Shasta River	Irrig. Stock.	86 acres by flooding* 200 head	60	(b)	--	--	About 1938	Gravity and storage; earth dam 14 feet high, 300 feet long with 0.1 mile of earth ditch.	Former owners: Lucas, Merrill, Frank Mosea. Area irrigated received supplemental supply from 45N/6W-33A1.
45N/6W-34J1 (Sheet 2)	Donald E. and Illene D. Watson	Little Shasta River	Irrig.	46 acres by flooding	Not meas.	Adjud.	0.37 cfs[h]	Par. 209[g]	1877	Gravity; 0.7 mile of earth ditch.	Former owner: G. W. King.
					LOWER SCOTT VALLEY SUBUNIT						
43N/9W-3D1 (Sheet 7)	Ivan R. Howell	Scott River	Irrig.	23 acres by sprinkler	Not meas.	Riparian	--	--	Prior 1946	Pump; 43-hp engine with short pipeline.	
43N/9W-3H1 (Sheet 7)	Scott Valley Irrigation District	Scott River	Irrig.	1,226 acres by flooding*	3,981*	Approp.**	25.0 cfs**	Appl.17997[c,**]	1954	Pumps; one 50-hp and one 100-hp motor with 0.4 mile of 30-inch pipe and 5.5 miles of earth ditch.**	Previously irrigated an additional 72 acres. Area irrigated includes 24 acres normally irrigated by 44N/9W-28R1. Portion of amount diverted irrigated 131 acres jointly with 44N/9W-22G1 and previously irrigated an additional 7 acres.
43N/9W-3H2 (Sheet 7)	Star Ranch, Inc.	Scott River	Irrig.	680 acres by flooding and sprinkler*	1,474*	Approp.	10.0 cfs	Appl.11463[c]	1946	Pump; 50-hp motor with 0.2 mile of 16-inch pipe and 2.4 mile of earth ditch.	Amount diverted supplemented by 43N/9W-2G1 (McAdam Creek Subunit).
43N/9W-8B1 (Sheet 7)	C. Custer George Rose	Oro Fino Creek	Irrig. Stock.	250 acres by flooding 220 head	Not meas.	Riparian	--	--	1860	Gravity; log dam with two earth ditches totaling 1.5 miles in length.	Former owner: A. Wilson.
43N/9W-17N1 (Sheet 7)	Stanley M. Friden	Oro Fino Creek	Irrig.	158 acres by flooding*	Not meas.*	Riparian	--	--	1956	Gravity; timber dam with 0.2 mile of earth ditch.	Former owner: King. Amount diverted supplemented by 43N/9W-20E1 and 43N/9W-31D1 (Etna Subunit).

* See remarks.
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— Information not available.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
				LOWER SCOTT VALLEY SUBUNIT (Continued)							
H D B & M											
43N/9W-20D1 (Sheet 7)	Stanley M. Friden	Oro Fino Creek	Irrig. Stock.	42 acres by flooding 65 head	Not meas.	Riparian	--	--	Prior 1900	Gravity; timber dam with 0.6 mile of earth ditch.	Former owners: Lewis, Finwall.
43N/9W-20E1 (Sheet 7)	Stanley M. Friden	Oro Fino Creek	Irrig. Stock.	10 acres by flooding* —	Not meas.*	Riparian	--	--	Prior 1900	Gravity; timber dam with two earth ditches totaling 0.3 mile in length.	Former owners: Lewis, Finwall. Portion of amount diverted supplemented 43N/9W-17M1 for use reported thereunder, and irrigated an additional 60 acres jointly with 43N/9W-20M1.
43N/9W-20K1 (Sheet 7)	Stanley M. Friden	Oro Fino Creek	Irrig.	17 acres by flooding*	Not meas.*	(b)	--	--	1955	Gravity; earth dam 8 feet high, 350 feet long with 0.3 mile of earth ditch.	Portion of amount diverted irrigated an additional 60 acres jointly with 43N/9W-20E1.
43N/10W-2K1 (Sheet 7)	Henry Chester	Shackleford Creek	Irrig.*	(*)	None	Adjud.	0.70 cfs* 0.25 cfs*	Div. 18[f]	1869	Gravity; earth and rock dam with 0.8 mile of earth ditch.	Former owner: Henry F. Chester, Sr. Irrigated 2 acres until 1958. 0.70 cfs April 1 to October 31. 0.25 cfs November 1 to March 31.
43N/10W-2 (Sheet 7)	Freitas Ditch United States Bureau of Indian Affairs; Quartz Valley Indian Reservation Edward Burton Casey Pearson[a]	Shackleford Creek	Irrig. Domestic	79 acres by flooding* (a)	784*	Adjud.	6.60 cfs* 0.25 cfs*	Div. 17[f]	1908	Gravity; earth and rock dam with 2.2 miles of earth ditch.	Former owners: Jack B. Schultz, F. L. and Georgina C. Lathrop. Ownership changed from Casey Pearson to Tucker in 1959. Amount diverted irrigated an additional 252 acres jointly with 43N/10W-10K1. 6.60 cfs April 1 to October 31 which includes 0.10 cfs allotted to Don Hahn. 0.25 cfs is allotted to Edward Burton November 1 to March 31.
43N/10W-9C1 (Sheet 7)	John Heide	Shiktaw Creek	Irrig. Stock.	195 acres by flooding --	Not meas.*	Riparian	--	--	About 1852	Gravity; rock dam with 1.7 miles of earth ditch to a small regulating reservoir.	Former owners: Kentuck, Willard Eastlick, Ralph Eastlick. Amount diverted supplemented by 43N/10W-9L1.
43N/10W-9L1 (Sheet 7)	Con and Dennis Mulloy	Shackleford Creek	Irrig.	178 acres by flooding*	1,063[n]	Adjud.	5.20 cfs*	Div. 5[f]	1877	Gravity; earth and rock dam 4.5 feet high, 10 feet long with 3.3 miles of earth ditch.	Former owners: Howard, Jones, Keppel, W. Hicks, O. L. Soderquist, J. A. Carson, A. C. Helm. Reported area irrigated includes 152 acres which normally received supplemental supply from 43N/10W-14M1 until 1958. 5.20 cfs April 1 to October 31.
43N/10W-9K1 (Sheet 7)	Weed Ditch A. C. Albee et al	Shackleford Creek	Irrig.	134 acres by flooding*	2,960*	Adjud.	11.0 cfs* 2.00 cfs*	Div. 4[f]	1867	Gravity; log dam 1.5 feet high, 50 feet long with 7.1 miles of earth ditch.	Former owners: Howard, Weed, Blake, Dunaway, A. C. Albea, R. Albee, C. Zwanziger. Amount diverted supplemented by 42N/11W-33R1 and 34F1. Irrigated an additional 313 acres jointly with 43N/10W-22P1. 11.0 cfs April 1 to October 31. 2.00 cfs November 1 to March 31.

* See remarks
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— Information not available
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
LOWER SCOTT VALLEY SUBUNIT (Continued)											
[illegible] (Sheet 7)	[illegible]	Shackleford Creek	Irrig.	(a)	Not meas.[c]	Adjud.	3.50 cfs[g] 1.00 cfs	Div. 3[f]	1911	Gravity; log dam with 1.0 mile of earth ditch terminating at Sniktaw Creek. The water spilled at this point is rediverted 0.3 mile downstream by several small check dams.	Former owners: Willard Eastlick, Ralph Eastlick. Amount diverted supplemented 43N/10W-9Q1 for use reported thereunder. 3.50 cfs April 1 to October 31. 1.00 cfs November 1 to March 31.
[illegible] (Sheet 7)	[illegible] Ditch United States Bureau of Indian Affairs; Quartz Valley Indian Reservation	Shackleford Creek	Irrig. Domestic Stock.	99 acres by flooding[a] 35 persons 100 head	1,932[n]	Adjud.	5.00 cfs[g] 1.00 cfs	Div. 6[f]	1857	Gravity; concrete dam 8 feet high, 6 feet long with 3.4 miles of earth ditch.	Former owner: Camp. Amount diverted irrigated an additional 252 acres jointly with 43N/10W-24[illegible]. 5.00 cfs April 1 to October 31. 1.00 cfs November 1 to March 31.
[illegible] (Sheet 7)	Donald Mahr	Shackleford Creek	Irrig.	119 acres by flooding	439[n]	Adjud.	1.20 cfs[g]	Div. 7[f]	1881	Gravity; earth and rock dam with 1.2 miles of earth ditch.	Former owners: O. M. Jordan, O. D. Jordan, Jack Schulz. Amount diverted supplemented by 43N/10W-11C1. 1.20 cfs April 1 to October 31.
[illegible] (Sheet 7)	[illegible] Bailey	Shackleford Creek	Irrig.	210 acres by flooding	632[n]	Adjud.	1.30 cfs[g]	Div. 9[f]	About 1878	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owners: Ralph H. and Harvey I. Hobart. 1.30 cfs April 1 to October 31.
[illegible] (Sheet 7)	Josephine Dangle, et al	Shackleford Creek	Irrig.	10 acres by flooding[a]	160[n]	Adjud.	1.70 cfs[g]	Div. 10[f]	1880	Gravity; rock and gravel dam with 0.1 mile of earth ditch.	Former owner: Jacob Dangle. Portion of amount diverted supplemented 43N/10W-10F1 for use reported thereunder. 1.70 cfs April 1 to October 31.
[illegible] (Sheet 7)	Josephine Dangle, et al	Mill Creek	Irrig.	32 acres by flooding[a]	446[n]	Adjud.	0.50 cfs[g]	Div. 16[f]	1868	Gravity; rock and gravel dam with 0.4 mile of earth ditch.	Former owner: Jacob Dangle. Amount diverted supplemented by 43N/10W-11Q1. 0.50 cfs April 1 to October 31.
[illegible] (Sheet 7)	Josephine Dangle, et al	Mill Creek	Irrig.	6 acres by flooding[a]	507[n]	Adjud.	0.25 cfs[g] 0.25 cfs	Div. 15[f]	1872	Gravity; rock and gravel dam with 1.6 miles of earth ditch.	Former owner: Jacob Dangle. Portion of amount diverted supplemented 43N/10W-11K1 for use reported thereunder. 0.25 cfs April 1 to October 31.
[illegible] (Sheet 7)	John Pereira	Mill Creek	Irrig.	43 acres by flooding	405[n]	Adjud.	0.25 cfs 1.15 cfs[g]	Div. 14[f]	1855	Gravity; earth and rock dam with 1.2 miles of earth ditch.	Former owners: Horace Weed, Weed Estate, Julio Pereira. 1.15 cfs April 1 to October 31.
43N/10W-14R1 (Sheet 7)	Con and Dennis Mahony	Springs tributary to Mill Creek	Irrig.[e]	(a)	None	Adjud.	0.10 cfs 0.40 cfs[g]	Div. 13[f]	About 1860	Gravity; small reservoir with 0.2 mile of earth ditch and 22-inch pipe.	Former owners: Jones, Keppler. Supplemented 43N/10W-9H1 until 1958. 0.40 cfs April 1 to October 31.

a See remarks
aa For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions"
— Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958: Purpose	Water use in 1958: Extent and method of use	Water use in 1958: Amount diverted in acre-feet	Apparent water right: Type	Apparent water right: Amount	Apparent water right: Reference	Indicated date of appropriation or first use	Description of diversion system	Remarks
LOWER SCOTT VALLEY SUBUNIT (Continued)											
M D B & M											
43N/10W-22P1 (Sheet 7)	Gene Selby	Mill Creek	Irrig.	139 acres by flooding*	1,600[n]	Adjud.	10.62 cfs[e] 0.62 cfs[e]	Div. 11[f]	1859	Gravity; log dam 1.5 feet high, 50 feet long with 1.8 miles of earth ditch.	Former owners: Jones, Eastlick. Portion of amount diverted irrigated an additional 313 acres jointly with 43N/10W-9K1. Previously irrigated an additional 43 acres. 10.62 cfs April 1 to October 31 which includes the following allotments: 4.50 cfs to [illegible] Evans, 1.00 cfs to W. Kerr, and 0.62 cfs to R. L. Couch. 0.62 cfs November 1 to March 31 which includes the following allotments: [illegible].17 cfs to R. J. Evans, and [illegible] cfs to [illegible] L. Couch.
44N/9W-2[illegible]1* (Sheet 4)	Wilber and Grace Hultquist Roy E. Mason	Indian Creek	Irrig. Stock.	32 acres by flooding 150 head	76*	Riparian	--	--	1852	Gravity; earth and rock dam with 1.6 miles of earth ditch.	Former owners: Perry Woode, Hank Wright. In 1955 the diversion point was moved to its present location. Portion of amount diverted irrigated 131 acres jointly with 43N/9W-3H1.
44N/9W-22N1 (Sheet 4)	John Crechriou	Indian Creek	Irrig.	39 acres by flooding	344	Riparian	--	--	About 1900	Gravity; earth and rock dam with 0.7 mile of earth ditch.	Former owners: Charles Owens, Bernard Soares.
44N/9W-28H1 (Sheet 4)	Aron Fincher	Indian Creek	Irrig.	14 acres by flooding	112	Riparian	--	--	About 1870	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owners: Malloes, Short, Harry and Mary Wayne.
44N/9W-28K1 (Sheet 4)	Aron Fincher	Indian Creek	Irrig.*	(*)	None	Riparian	--	--	1957	Pump; 15-hp motor with a short 5-inch pipe.	Previously irrigated 24 acres jointly with 43N/9W-3H1.
44N/9W-31C1 (Sheet 4)	C. W. Birdwell	Scott River	Irrig.	106 acres by flooding*	139	Riparian	--	--	1952	Pump; gasoline engine with 0.4 mile of earth ditch.	Former owner: Thurston. Area irrigated received supplemental supply from 44N/9W-31D1.
44N/9W-31D1 (Sheet 4)	C. W. Birdwell	Scott River	Irrig.	(*)	64*	Approp.	[illegible] cfs	Appl.16149[g]	1954	Pump; 40-hp motor with 0.3 mile of 14-inch pipe and [illegible] mile of earth ditch.	Amount diverted supplemented 44N/9W-31C1.
44N/10W-21J1 (Sheet 4)	[illegible] Eastlick	Meamber Gulch	Irrig.	44 acres by flooding and sprinkler	111*	Riparian	--	--	About 1860	Gravity; concrete dam 2 feet high, 13 feet long with 300 feet of 1[illegible]-inch pipe to 0.7 mile of earth ditch, terminating at a small reservoir.	Former owners: [illegible] Meamber, Fred Burton, William Pinkerton.
44N/10W-[illegible] (Sheet 4)	Warren Lytle Travis Smith	[illegible]raveyard [illegible] Creek	Irrig.	[illegible] acres by flooding	73	Riparian	--	--	Prior 195[illegible]	Gravity; [illegible]ravel dam with [illegible].4 mile of earth ditch.	Former owners: [illegible], Pearl [illegible], [illegible] Brown.
44N/1[illegible]W-[illegible] (Sheet 4)	[illegible]	Tributary to Patterson Creek	Irrig.	22 acres by flooding	94	Riparian	--	--	About 1951	Gravity; earth dam with [illegible].3 mile of earth ditch.	Former owner: Felix Kant[illegible].

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
				LOWER SCOTT VALLEY SUBUNIT (Continued)							
M D B & M											
44N/10W-25C1 (Sheet 4)	Merle Bruce	Patterson Creek	Irrig.	33 acres by flooding and sprinkler	133	Riparian	--	--	1870	Gravity; short earth ditch to a regulatory reservoir with 0.3 mile of earth ditch and 300 feet of 4-inch pipe from the reservoir.	Former owners: Berry, Lewis, Winters, Ira Eastlick.
44N/10W-25F1 (Sheet 4)	Merle Bruce Tozier Brothers	Patterson Creek	Irrig.	294 acres by flooding*	973	Riparian	--	--	Prior 1875	Gravity; earth and rock dam with 0.8 mile of earth ditch.	Former owners: Goodale, Hammond, Devenier, Harry B. Tozier, Della M. Tozier. Area irrigated received supplemental supply from 44N/10W-25N1 until 1957.
44N/10W-25N1* (Sheet 4)	Tozier Brothers	Patterson Creek	Irrig.*	(*)	None	Riparian	--	--	1955	Pump; gasoline engine with a short 6-inch pipe.	Portable pump location can be on Scott River or Patterson Creek. Supplemented 44N/10W-25F1 until 1957.
44N/10W-26N1 (Sheet 4)	Casey Pearson*	Sniktaw Creek	Irrig.	87 acres by flooding	193*	Riparian	--	--	Prior 1958	Gravity; concrete dam with 0.2 mile of earth ditch.	Former owner: Frank Lathrop. Ownership changed to Tucker in 1959. Amount diverted supplemented by 44N/10W-35P2.
44N/10W-27H1 (Sheet 4)	Warren Lytle Travis Smith	Scott River	Irrig.	62 acres by flooding	10	Riparian	--	--	Prior 1958	Pump; 5-hp motor with 0.2 mile of earth ditch.	
44N/10W-27L1 (Sheet 4)	Casey Pearson*	Scott River	Irrig.	(*)	44*	Riparian	--	--	1954	Pump; tractor powered with a short pipeline.	Ownership changed to Tucker in 1959. Amount diverted irrigated an additional 122 acres jointly with 44N/10W-34K1.
44N/10W-27P1 (Sheet 4)	Casey Pearson*	Tributary to Scott River	Irrig. Domestic	13 acres by flooding (a)	78	Riparian	--	--	Prior 1958	Gravity; 0.2 mile of earth ditch.	Ownership changed to Tucker in 1959.
44N/10W-28A1 (Sheet 4)	James Eastlick	Scott River	Irrig.*	(*)	None	Riparian	--	--	About 1950	Pump; 11-hp engine with a short 3-inch pipe.	Previously irrigated 24 acres.
44N/10W-34K1 (Sheet 4)	Ed Burton Casey Pearson*	Sniktaw Creek	Irrig.	38 acres by flooding*	356*	Riparian	--	--	Prior 1958	Gravity; earth ditch 1.2 miles long	Former owner: Frank Lathrop. Ownership changed to Tucker in 1959. Amount diverted irrigated an additional 122 acres jointly with 44N/10W-27L1.
44N/10W-35B1 (Sheet 4)	Burnell Burton	Shackleford Creek	Irrig.*	(*)	None	Adjud.	1.20 cfs*	Div. 23[f]	About 1870	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Ernoe, Stephan Burton. Previously irrigated 2.2 acres jointly with 44N/10W-35F1 and 44N/10W-35P1 until 1957. All or part of 1.20 cfs may be diverted by this diversion or 44N/10W-35C1 from April 1 to October 31.
44N/10W-35C1 (Sheet 4)	Burnell Burton	Shackleford Creek	Irrig.	41 acres by flooding	623	Adjud.	(*) 0.20 cfs*	Div. 22[f]	About 1879	Gravity; concrete dam with 0.5 mile of earth ditch.	Former owners: Ernoe, Stephan Burton. All or part of 1.20 cfs may be diverted by this diversion or 44N/10W-35B1 from April 1 to October 31. 0.20 cfs November 1 to March 31.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
LOWER SCOTT VALLEY SUBUNIT (Continued)											
M D B & M											
44N/10W-35F1 (Sheet 4)	Tozier Brothers	Shackleford Creek	Irrig.	10 acres by flooding*	813*,n	Adjud.	2.40 cfs* 0.70 cfs*	Div. 21[f]	1877	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owners: D. L. Miller, J. Rivallier. Portion of amount diverted irrigated an additional 242 acres jointly with 44N/10W-35P1 and 44N/10W-35B1 until 1957. 2.40 cfs April 1 to October 31. 0.70 cfs November 1 to March 1.
44N/10W-35P1 (Sheet 4)	Henry Chester Tozier Brothers	Shackleford Creek	Irrig.	18 acres by flooding*	1,740*,n	Adjud.	8.60 cfs* 1.30 cfs*	Div. 19[f]	1869	Gravity; earth and rock dam with 2.6 miles of earth ditch.	Former owners: Hammond Brothers, Marshall Crawford, Lewis, Jon Miller, Joe Rivallier, C. B. Camblin. Portion of amount diverted irrigated an additional 242 acres jointly with 44N/10W-35F1 and 44N/10W-35B1 until 1957. 8.60 cfs April 1 to October 31. 1.30 cfs November 1 to March 31.
44N/10W-35P2 (Sheet 4)	Burnell Burton Ed Burton Casey Pearson*	Shackleford Creek	Irrig.	67 acres by flooding*	529*	Adjud.	5.80 cfs* 0.25 cfs*	Div. 20[f]	1875	Gravity; earth and rock dam with 2.0 miles of earth ditch.	Former owners: Hammond Brothers, Crawford, Lewis, Stephan Burton. Ownership changed from Casey Pearson to Tucker in 1959. Portion of amount diverted supplemented 44N/10W-26N1 for use reported thereunder. 5.80 cfs April 1 to October 31. 0.25 cfs November 1 to March 31.
McADAM CREEK SUBUNIT											
43N/9W-2G. (Sheet 7)	W. T. Davidson Star Ranch, Inc.	Moffett Creek	Irrig.	40 acres by flooding*	1,719*	Approp.	1,000 MI	--	1890	Gravity; concrete dam 3 feet high, 40 feet long with 0.6 mile of earth ditch.	**Former owners: W. D. Mathews, J. A. Davidson. Area irrigated is located in Etna Subunit. Portion of amount diverted supplemented 43N/9W-3H2 (Lower Scott Valley Subunit) for use reported thereunder.
[illegible] (Sheet [illegible])	Frances Costa	Costa Gulch	Irrig.	21 acres by flooding	Not meas.	Riparian	--	--	About 1919	Gravity; earth dam with 0.2 mile of earth ditch.	
[illegible] (Sheet [illegible])	Frances Costa	Moffett Creek	Irrig.	27 acres by flooding	Not meas.	Riparian	--	--	About 1900	Gravity; earth and rock dam with 1.2 miles of earth ditch.	Former owners: Pereirea, John Simmons, Cramer.
[illegible] (Sheet [illegible])	Frances Costa [illegible] [illegible]	Moffett Creek	Irrig.	197 acres by flooding	Not meas.	(b)	--	--	Prior 1958	Gravity; [illegible] dam with [illegible] miles of earth ditch.	Former owners: Pereirea, Anton Kings, Mc Donald, Martin.
[illegible] (Sheet [illegible])	Frances Costa	Moffett Creek	Irrig. Stock.	55 acres by flooding --	Not meas.	Riparian	--	--	Prior 1914	Gravity; earth and rock dam with [illegible].7 mile of earth ditch.	Former owner: Anton Kings.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
McADAM CREEK SUBUNIT (Continued)											
44N/7W-[illegible] (Sheet 4)	William Soares	McAdam Creek	Irrig.	24 acres by flooding	29	Riparian	--	--	Prior 1958	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owners: John Nunes, Bernard Soares, Manuel F. Soares, Maria Soares.
[illegible] (Sheet 4)	[illegible] Estate	Spring tributary to McAdam Creek	Irrig.	30 acres by flooding[2]	367 *,n	Riparian	--	--	Prior 1900	Gravity; 0.1 mile of earth ditch.	Former owner: Louis Davis. Reported amount diverted includes all water from 44N/7W-13C2. Combined supply used for irrigation of area indicated.
44N/7W-13C (Sheet 4)	[illegible] Estate	Spring tributary to McAdam Creek	Irrig.	(*)	(*)	Riparian	--	--	Prior 1900	Gravity; 0.5 mile of earth ditch.	Former owner: Louis Davis. Amount diverted and extent of use reported under 44N/7W-13C1.
44N/7W-13[illegible] (Sheet 4)	[illegible] Estate	McAdam Creek	Irrig.	59 acres by flooding	534	Riparian	--	--	Prior 1900	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Louis Davis, Southern Pacific Company.
44N/7W-[illegible] (Sheet 4)	Ruth M. Aderholt[2]	McAdam Creek	Irrig.	114 acres by flooding	302 n	Riparian	--	--	Prior 1900	Gravity; earth and rock dam with 1.0 mile of earth ditch.	Former owners: White, Berlon, Amous, Santos, Vann. Ownership changed to H. M. and Paula Klauser in 1959.
44N/7W-24[illegible] (Sheet 4)	[illegible] M. Aderholt[2]	McAdam Creek	Irrig.	48 acres by flooding	233	Riparian	--	--	Prior 1900	Gravity; earth and rock dam with 0.7 mile of earth ditch.	Former owners: White, Berlon, Amous, Santos, Vann. Ownership changed [illegible]h. M. and Paula Klauser in 1959.
44N/7W-24P (Sheet 4)	Jess L. Fibbs	McAdam Creek	Irrig.	154 acres by flooding	380	Approp.	12 MI	--	About 1900	Gravity; earth and rock dam with 1.0 mile of earth ditch.	Former owner: M. Freeman.
MOFFETT CREEK SUBUNIT											
43N/7W-18J1 (Sheet 8)	[illegible] L., Harold L., Charles and Bonnie A. Cramer	Moffett Creek	Irrig.	26 acres by flooding	159	Riparian	--	--	About 1860	Gravity; sand bag dam with 0.4 mile of earth ditch.	Former owners: Bob Walker, Fred, Ira, Harry and Edward G. Cramer.
43N/7W-24K (Sheet 8)	Fred Cramer	Moffett Creek	Irrig.	43 acres by flooding	106	Riparian	--	--	Prior 1860	Gravity; earth dam with 0.6 mile of earth ditch.	Former owners: Silman, Billy Walker, Wilson Brothers, Perry Farms Corp.
43N/8W-12R1 (Sheet 8)	[illegible] L., Harold L., Charles and Bonnie A. Cramer	Cottonwood Creek	Irrig. Indust.	8 acres by flooding Lumber mill	52 n	Riparian	--	--	About 1937	Gravity; sand bag dam with 0.3 mile of earth ditch.	Former owner: Edward G. Cramer.
43N/8W-13[illegible] (Sheet 8)	[illegible] L., Harold L., Charles and Bonnie A. Cramer	Duzel Creek	Irrig.	9 acres by flooding	47	Riparian	--	--	About 1860	Gravity; sand bag dam with 0.3 mile of earth ditch.	Former owners: George Whit, Sara Hawksey, Edward G., Fred, Ira, and Harry Cramer.
43N/8W-13Q2 (Sheet 8)	[illegible] L., Harold L., Charles and Bonnie A. Cramer	Duzel Creek	Irrig.	10 acres by flooding	45	Riparian	--	--	About 1937	Gravity; sand bag dam with 0.3 mile of earth ditch.	Former owner: Edward G. Cramer.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
				MOFFETT CREEK SUBUNIT (Continued)							
[illegible] B & M											
44N/[illegible]W-36N1 (Sheet 5)	Fred Cr[illegible]er	Moffett Creek	Irrig.	35 acres by flooding*	99	Riparian	--	--	1860	Gravity; earth dam with 0.8 mile of earth ditch.	Former owners: Billy Walker, [illegible]son Brothers, Perry Farms Corp. Area irrigated received an additional 24 acre-feet fro[illegible] Crooked Gulch.
				PARKS CREEK SUBUNIT							
41N/[illegible]W-6D[illegible] (Sheet [illegible]5)	[illegible] - Foulke Yreka Ditch Company	Parks Creek	Irrig. Stock.	(*) --	5,389*	Adjud.	(**)	(**)	1856	Gravity; rock dam with 0.[illegible] mile of earth ditch.	Former owner: Eastern Company. Amount diverted supplemented 41N/5W-9P1 (Weed Subunit) for use reported thereunder.
4[illegible]N/6W-[illegible]A (Sheet [illegible]4)	I[illegible]bella C. More[a]	Parks Creek	Irrig.	244 acres by flooding	1,313	Adjud.	(*)	(*)	1852	Gravity; rock dam 3 feet high [illegible]5 feet long with [illegible].5 miles of earth ditch.	Former owners: Irma S. Clark, A. [illegible] and [illegible], W. D. Duke. Ownership [illegible]
42N/5W-[illegible] (Sheet [illegible])	Gris[illegible]	Parks Creek	Irrig.	625 acres by flooding*	Not meas.*	Adjud.	1.65 cfs[h], [illegible].30 cfs[h]	Par. 93[g], Par. 94[g]	1854	Gravity; concrete and timber dam with [illegible].3 miles of earth ditch.	Former owner: W. D. Duke. Portion of amount diverted irrigated an additional 241 acres jointly with 42N/5W-8C1.
42N/5W-7H1 (Sheet 1[illegible])	Grisez Ranch	Parks Creek	Irrig.	99 acres by flooding	Not meas.	Adjud.	2.50 cfs[h]	Par. 90[g]	1889	Gravity; earth dam with 0.8 mile of earth ditch.	Former owner: W. D. Duke.
42N/5W-7K1 (Sheet [illegible])	Gris[illegible] Ranch	Parks Creek	Irrig.	(*)	Not meas.*	Adjud.	2.25 cfs[h]	Par. 89[g]	1854	Gravity; gravel and earth dam with 0.4 mile of earth ditch.	Former owner: W. D. Duke. Amount diverted supplemented 42N/5W-8P1 for use reported thereunder.
42N/5W-[illegible] (Sheet [illegible])	Gris[illegible]	Parks Creek	Irrig.	52 acres by flooding*	Not meas.	Adjud.	1.30 cfs[h]	Par. 9[illegible]	1875	Gravity; concrete dam with 0.[illegible] mile of earth ditch.	Former owner: W. D. Duke. Portion of amount diverted irrigated an additional 241 acres jointly with 42N/5W-[illegible]1.
4[illegible]N/5W-[illegible] (Sheet [illegible])	Gr[illegible] Ranch	Spring tributary to Parks Creek	Irrig. Stock.	135 acres by flooding[f] --	Not meas.	Adjud.	[illegible].45 cfs[h]	Par. 91[g]	[illegible]	Pump; electric motor with 175 feet of 3-inch pipe to [illegible] mile of earth ditch.	Former owner: W. D. Duke. Area irrigated received supplemental [illegible] from 4[illegible]N/5W-7K[illegible].
[illegible] (Sheet [illegible])	[illegible] J. [illegible]	Parks Creek	Irrig.*	(*)	None	Adjud.	[illegible].60 cfs[h], [illegible].25 cfs[j]	Par. 300[g]	188[illegible]	Gravity; concrete dam [illegible] foot high, 30 feet long with 0.[illegible] mile of earth ditch.	Former owner: C[illegible]. [illegible]
[illegible]W-[illegible] (Sheet [illegible])	[illegible] J. [illegible]	Parks Creek	Irrig.	[illegible] acres by flooding	40	Adjud.	[illegible].25 cfs[h]	Par. 301[g]	1904	Gravity; concrete dam [illegible] foot high, 30 feet long with [illegible] mile of earth ditch.	Former owner: [illegible]
[illegible] (Sheet [illegible])	[illegible] V. [illegible]	Parks Creek	Irrig. Stock.	[illegible] acres by flooding --	167	Adjud.	[illegible].25 cfs[h], [illegible].15 cfs[j]	Par. [illegible]96	189[illegible]	Gravity; concrete dam with [illegible] of earth ditch.	Former owner: [illegible]

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					PARKS CREEK SUBUNIT (Continued)						
B & M											
42N/5W-18Q1 (Sheet 12)	Gus V. Nelson	Wells Creek	Irrig.*	(*)	None	Adjud.	0.40 cfs[h]	Par. 299[g]	1889	Gravity; short earth ditch.	Former owner: Cecelia Nelson. Previously supplemented 42N/5W-18A1.
42N/5W-18N1 (Sheet 12)	Gus V. Nelson	West Fork of Wells Creek	Irrig.*	(*)	None	Adjud.	0.25 cfs[h]	Par. 305[g]	1893	Gravity; 0.1 mile of earth ditch.	Previously supplemented 42N/5W-17C1.
42N/5W-18P1 (Sheet 12)	Gus V. Nelson	Wells Creek	Irrig.*	(*)	None	Adjud.	0.25 cfs[h]	Par. 298[g]	1889	Gravity; short earth ditch.	Former owner: Cecelia Nelson. Previously supplemented 42N/5W-19A1.
42N/5W-18 (Sheet 12)	Gus V. Nelson	Parks Creek	Irrig.*	(*)	None	Adjud.	0.70 cfs[h] 0.25 cfs[i]	Par. 295[g]	1895	Gravity; concrete and timber dam 2 feet high, 35 feet long with 0.2 mile of earth ditch.	Former owner: Cecelia Nelson. Previously received supplemental supply from 42N/5W-18L2. Combined supply normally irrigated 72 acres jointly with 42N/5W-19A1.
42N/5W-18R1 (Sheet 12)	Gus V. Nelson	Parks Creek	Irrig.	3 acres by flooding	118	Adjud.	0.25 cfs[h] 0.15 cfs[i]	Par. 304[g]	1893	Gravity; rock dam with 0.2 mile of earth ditch.	
42N/5W-19A1 (Sheet 12)	Gus V. Nelson	Parks Creek	Irrig. Stock.	91 acres by flooding* --	561	Adjud.	0.25 cfs[h] 0.50 cfs[i] 0.25 cfs[i]	Par. 294[g] Par. 303[g]	1893	Gravity; rock dam with 1.1 miles of earth ditch.	Area irrigated includes 72 acres which normally were irrigated jointly with 42N/5W-18R1. Previously received supplemental supply from 42N/5W-18[illegible].
42N/5W-17C1 (Sheet 12)	Gus V. Nelson	East Fork of Wells Creek	Irrig. Stock.	7 acres by flooding* --	128	Adjud.	0.25 cfs[h]	Par. 306[g]	1893	Gravity; rock dam with 0.1 mile of earth ditch.	Area irrigated previously received supplemental supply from 42N/5W-18N1.
42N/5W-17C1 (Sheet 12)	Harry Robertson	Walker Slough	Irrig. Stock.	189 acres by flooding 100 head	375	Adjud.	2.00 cfs[h] 0.50 cfs[i]	Par. 319[g]	1885	Gravity; sump with 1.4 miles of earth ditch.	Former owners: William J. Kiernan, Plumas County Bank, Joe Russolini.
42N/5W-20N1 (Sheet 12)	Martin W. and Laura M. Little Gus V. Nelson	Parks Creek	Irrig. Stock.	40 acres by flooding* --	996*	Adjud.	0.80 cfs[h] 0.25 cfs[i] 0.25 cfs[i]	Par. 222[g] Par. 302[g]	1873	Gravity; rock dam with 0.[illegible] miles of earth ditch.	Former owner: John A. Nelson. Amount diverted supplemented by 42N/5W-29C1.
42N/5W-20H1 (Sheet 12)	Harold A. and Minnie I. Lemos Martin W. and Laura M. Little	Parks Creek	Irrig. Stock.	40 acres by flooding --	679	Adjud.	0.70 cfs[h] 0.25 cfs[i] 0.45 cfs[i] 0.10 cfs[i] 0.05 cfs[i]	Par. 219[g] Par. 220[g] Par. 221[g]	1872	Gravity; timber and log dam 2 feet high, 20 feet long with 0.6 mile of earth ditch.	Former owner: J. V. Enos.
42N/5W-29C1 (Sheet 12)	Harold A. and Minnie I. Lemos	Parks Creek	Irrig.	42 acres by flooding*	973*	Adjud.	0.70 cfs[h]	Par. 218[g]	Prior 1872	Gravity; 1.3 miles of earth ditch.	Former owner: J. V. Enos, Jesse H. and Henrietta Lemos. Portion of amount divarted supplemented 42N/5W-20H1 for use reported thereunder.
42N/5W-29P1 (Sheet 12)	Parks Creek Ranch*	Spring Creek	Irrig.	13 acres by flooding*	Not meas.	Adjud.	0.15 cfs[h]	Par. 397[g]	1858	Gravity; 400 feet of earth ditch.	Former owners: Mary A. Wholey, Elizabeth E. Wholey, Martha D. Lewis, Edna L. Wholey. Ownership changed to William E. Cort, Jr. and Sons in 1959. Area irrigated previously received supplemental supply from 42N/5W-32E2.

* See remarks
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— Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					PARKS CREEK SUBUNIT (Continued)						
a D b & 11											
42N/5W-29F2 (Sheet 12)	Parks Creek Ranch*	Spring Creek	Irrig.	103 acres by flooding*	Not meas.	Adjud.	0.70 cfs[h]	Par. 398[g]	1858	Gravity; earth dam 8 feet high, 150 feet long with 0.7 mile of earth ditch.	Former owners: Mary A. Wholey, Edna L. Wholey, Elizabeth E. Wholey, Martha D. Lewis. Ownership changed to William E. Cort, Jr. and Sons in 1959. Area irrigated previously received supplemental supply from 42N/5W-32E2.
42N/5W-29L1 (Sheet 12)	Montague Water Conservation District	Parks Creek	Irrig.	(*)	3,250[f]	Approp.	14,000 af 10,000 af	Appl.3555[c] Appl.16507[c]	1926 1955	Gravity; concrete dam 7 feet high, 44 feet long with 0.8 mile of earth ditch terminating at Shasta River above Dwinnell Reservoir.	Amount diverted supplemented 43N/5W-25L1 (Dwinnell Reservoir Subunit) for use reported thereunder.
42N/5W-31J1 (Sheet 12)	Isabella C. More*	Parks Creek	Irrig.*	(*)	None	Adjud.	6.0 cfs[h*] 1.0 cfs[i*]	Par. 113[g]	1852	Gravity; 0.2 mile of earth ditch.	Former owners: Irma S. Clark, A. E. and E. A. Howe, W. D. Duke. Ownership changed to William E. Cort, Jr. and Sons in 1959. Previously irrigated 25 acres jointly with 42N/5W-32E1. Reported water right amounts can be diverted all or in part via 41N/6W-1A1, 42N/5W-31J1, 42N/5W-31Q1, 42N/5W-32E1 or 42N/5W-32E2.
42N/5W-31J1 (Sheet 12)	Isabella C. More*	Parks Creek	Irrig.	203 acres by flooding	767	Adjud.	(*)	(*)	1891	Gravity; rock dam with 0.7 mile of earth ditch.	Former owners: Irma S. Clark, A. E. and E. A. Howe, W. D. Duke. Ownership changed to William E. Cort, Jr. and Sons in 1959. For water details see 42N/5W-31J1.
42N/5W-[illegible] (Sheet [illegible])	Isabella C. More*	North Branch of Parks Creek	Irrig.*	(*)	None	Adjud.	(*)	(*)	1852	Gravity; 0.2 mile of earth ditch.	Former owners: Irma S. Clark, A. E. and E. A. Howe, W. D. Duke. Ownership changed to William E. Cort, Jr. and Sons in 1959. Previously irrigated 25 acres jointly with 42N/5W-31J1. For water right details see 42N/5W-31J1.
[illegible] (Sheet [illegible])	Isabella C. More*	North Branch of Parks Creek	Irrig.*	(*)	None	Adjud.	(*)	(*)	1900	Gravity; 150 feet of earth ditch terminating at Spring Creek. The water spilled at this point is rediverted 1.4 mile downstream at 42N/5W-29P1 and 42N/5W-29F2.	Former owners: Irma S. Clark, A. E. and E. A. Howe, W. D. Duke. Ownership changed to William E. Cort, Jr. and Sons in 1959. Previously supplemented 42N/5W-29P1 and 42N/5W-29F2. For water right details see 42N/5W-31J1.
[illegible] (Sheet [illegible])	Mary [illegible]	[illegible] tributary to Parks Creek	Irrig.	39 acres by flooding	Not meas.	Riparian	--	--	Prior 1945	Gravity; earth dam 6 feet high, 25 feet long with 0.4 mile of earth ditch.	Former owner: Joe Mussolini.
[illegible] (Sheet [illegible])	[illegible] Bridwell	North Branch	Irrig., Stock.	213 acres by flooding —	873	Adjud.	0.60 cfs[h] 0.25 cfs[j]	Par. 192	1869	Gravity; rock dam with 1.5 miles of earth ditch.	Former owners: B. Kiernan, J. W. Kiernan, Rose B. Turner, Francis T. Lund, Mary B. Locklin, Rupert T. Mathey.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M D B & M				PARKS CREEK SUBUNIT (Continued)							
43N/5W-20B1 (Sheet 9)	Laura M. Cawley	Parks Creek	Irrig. Stock.	313 acres by flooding --	Not meas.	Adjud.	2.98 cfs[k]	Par. 343[g]	1902	Gravity; 0.2 mile of earth ditch.	Former owners: M. A. Silva, Harry Solaco.
43N/5W-28B1 (Sheet 9)	Grissom Ranch	Spring tributary to Parks Creek	Irrig.	259 acres by flooding*	Not meas.	Adjud.	1.15 cfs[h]	Par. 99[g]	1870	Gravity; 3.0 miles of natural channel.	Former owner: W. D. Duke. Area irrigated received supplemental supply from 43N/5W-32A1.
43N/5W-32A1 (Sheet 9)	Grissom Ranch	Parks Creek	Irrig.	(*)	Not meas.[z]	Adjud.	0.80 cfs[h]	Par. 97[g]	1875	Gravity; rock dam with 1.0 mile of earth ditch.	Former owner: W. D. Duke. Amount diverted supplemented 43N/5W-28B1.
43N/5W-33M1 (Sheet 9)	Grissom Ranch	Parks Creek	Irrig.	52 acres by flooding	Not meas.	Adjud.	0.85 cfs[h]	Par. 96[g]	1876	Gravity; earth dam with 0.2 mile of earth ditch.	Former owner: W. D. Duke.
				SHACKLEFORD CREEK SUBUNIT							
42N/11W-33R1 (Sheet 7)	Cliff Lake* R. A. Folendorf	Shackleford Creek	Irrig.	(*)	Not meas.	Adjud.	150 af	Page 15[f]	1883	Gravity; earth and rock rubble dam 6 feet high, 20 feet long. Water released down creek for rediversion at 42N/11W-34F1.	Former owner: Abbie C. Albee. Natural lake enlarged by dam. Supplemente 43N/10W-9K1 (Lower Scott Valley Subunit) for use reported thereunder.
42N/11W-34F1	Campbell Lake* R. A. Folendorf	Shackleford Creek	Irrig.	(*)	Not meas.	Adjud.	350 af	Page 15[f]	1883	Gravity; earth and rock dam 18 feet high, 90 feet long. Water released down creek for rediversion at 43N/10W-9K1 (Lower Scott Valley Subunit).	Remarks for 42N/11W-33R1 apply.
				SOUTH FORK SUBUNIT							
39N/9W-9H1 (Sheet 18)	French Mining Company	Jackson Creek	Irrig.	(*)	Not meas.[z]	Riparian	--	--	Prior 1900	Gravity; earth and rock dam with earth ditch terminating at Wildcat Creek. The water spilled at this point is rediverted downstream at 40N/9W-23N1.	Amount diverted supplemented 40N/9W-23N1.
40N/9W-4Q1 (Sheet 16)	Alfonso J. Fuglistaler	Miners Creek	Irrig.	62 acres by flooding*	263*	Adjud.	1.06 cfs*	Div. 29[d]	Prior 1955	Gravity; 2.7 miles of earth ditch.	Former owner: Welch. Amount diverted supplemented by 40N/9W-7H1. If water right amount is not available in Miners Creek, it may be diverted from Duck Lake Creek by 40N/9W-7H1.
40N/9W-5C1 (Sheet 16)	J. D. and Ruth A. Proctor	South Horse Range Creek	Irrig.*	(*)	None	Adjud.	0.13 cfs	Div. 7[d]	Prior 1955	Gravity; 0.3 mile of earth ditch.	Previously irrigated 6 acres by flooding.
40N/9W-5K1 (Sheet 16)	H. Jorgen and Elinore Danielson	French Creek	Irrig. Stock.	5 acres by flooding* 200 head	1,027*	Adjud.	2.08 cfs	Div. 3[d]	Prior 1955	Gravity; rock dam with 2.8 miles of earth ditch.	Portion of amount diverted supplemented 41N/9W-33R1 for use reported thereunder.

* See remarks.
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For lettered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
M O B & M					SOUTH FORK SUBUNIT (Continued)						
40N/9W-7H1 (Sheet 16)	Alfonso J. Fuglietaler	Duck Lake Creek	Irrig.	(*)	(*)	Adjud.	2.50 cfs*	Div. 2[d]	About 1858	Gravity; 0.8 mile of earth ditch to French Creek. The creek channel is used as conduit to a rediversion point 0.3 mile downstream. Another 1.0 mile of earth ditch links the system to Miners Creek where final diversion is made 0.5 mile downstream at 40N/9W-4Q1.	Former owner: Welch. Amount diverted supplemented 40N/9W-4Q1, for use reported thereunder. Reported water right amount can be diverted in lieu of diversion by 40N/9W-4Q1 when there is no water available in Miners Creek. The amount of water delivered to the Alfonso J. Fuglietaler ranch shall not exceed 1.06 cfs.
40N/9W-15K1	Andrew L. Darbee	Sugar Creek	Irrig.	80 acres by flooding*	Not meas.	Adjud.	76 MI 19 MI 605 MI	Par. 3[p] Par. 3[p] Par. 6[p]	1873	Gravity; rock dam with 3.4 miles of earth ditch.	Former owners: Robert Sullivan, Annie H. Darbee.
40N/9W-21A1 (Sheet 16)	J. B. Sullivan	Sugar Creek	Irrig.	35 acres by flooding	Not meas.	Adjud.	100 MI	Par. 6[p]	1873	Gravity; earth and rock dam with 4.0 miles of earth ditch.	Former owner: Jim Parker.
40N/9W-23G1 (Sheet 16)	Allen Moore	Wildcat Creek	Irrig. Stock.	97 acres by flooding 150 head	361[n]	Riparian	--	--	Prior 1958	Gravity; log dam 3 feet high, 15 feet long with 3.4 miles of earth ditch.	
40N/9W-23N1 (Sheet 16)	J. B. Sullivan	Wildcat Creek	Irrig.	126 acres by flooding	1,427[n]	Riparian	--	--	Prior 1900	Gravity; earth and log dam 4 feet high, 15 feet long with 1.7 miles of earth ditch.	Former owner: Jim Parker.
40N/9W-24R1 (Sheet 16)	Dick Hayden	Scott River	Irrig. Stock. (*)	38 acres by flooding 125 head (*)	1,142	Riparian	—	--	About 1901	Gravity; rock and log dam with 1.9 miles of earth ditch.	Former owners: J. R. Wade, R. Hayden. Previously supplied a placer mine.
40N/9W-25J1 (Sheet 16)	L. B. Bergsnyder	Boulder Creek	Irrig. Stock.	48 acres by flooding 75 head	682	Riparian	--	--	About 1850	Gravity; log and corrugated iron dam 4 feet high, 50 feet long with 2 miles of earth ditch.	Former owners: Parker, Meesner, Mitchell, Ferguson.
41N/9W-32A1 (Sheet 13)	Harry M. and Martha B. Bemrod Walter L. and Barbara B. Byers	French Creek	Irrig.	68 acres by flooding*	Not meas.	Adjud.	1.92 cfs* 0.44 cfs*	Div. 11[d]	Prior 1955	Gravity; rock dam with 2.5 miles of earth ditch.	1.92 cfs allotted to Bemrod. 0.44 cfs allotted to Byers.
41N/9W-32G1 (Sheet 13)	J. D. and Ruth A. Proctor	Paynes Lake Creek	Irrig. Stock. Domestic Power	44 acres by flooding and sprinkler -- (a) --	1,356[n]	Adjud.	1.70 cfs	Div. 10[d]	Prior 1955	Gravity; log and gravel dam 2 feet high, 50 feet long with 1.1 miles of earth ditch.	
41N/9W-33R1 (Sheet 13)	H. Jorgen and Elinore Danielson	Miners Creek	Irrig.	80 acres by flooding*	35*	Adjud.	0.17 cfs	Div. 30[d]	Prior 1955	Gravity; rock dam with 0.5 mile of earth ditch.	Amount diverted supplemented by 40N/9W-5K1.

* See remarks.
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					SOUTH FORK SUBUNIT (Continued)						
41N/9W-26K1 (Sheet 13)	C. A. Hall, et al.[r]	Smith Lake	Irrig.*	(*)	None	Adjud.	80 af	Div. 15[d]	Prior 1945	Gravity; siphon, 600 feet long, releasing water to a tributary of French Creek to be rediverted 4.0 miles downstream at 41N/9W-21N1 (Callahan Subunit).	Previously supplemented 41N/9W-21N1 (Callahan Subunit).
					STEWART SPRINGS SUBUNIT						
41N/6W-1D1 (Sheet 14)	George and Anita Zabella Vanderbilt	Parks Creek	Irrig.	40 acres by flooding	458	Adjud.	1.00 cfs[h] 0.25 cfs[j]	Par. 74[g]	1889	Gravity; rock dam with 0.3 mile of earth ditch.	Former owner: Lemuel Dennis.
41N/6W-2F1 (Sheet 14)	George and Anita Zabella Vanderbilt	Parks Creek	Irrig. Stock.	29 acres by flooding 50 head	393	Adjud.	1.70 cfs[h] 0.25 cfs[j]	Par. 62[g]	1893	Gravity; rock dam with 0.9 mile of earth ditch.	Former owner: Pearl H. Clark.
					WEED SUBUNIT						
41N/4W-6P1 (Sheet 15)	International Paper Company	Beaughan Creek	Irrig. Stock.	82 acres by flooding 75 head	214	Adjud.	(g) (g)	Par. 230[g] Par. 231[g]	About 1880	Gravity; earth and rock dam with 1.0 mile of earth ditch.	Former owners: Weed Lumber Company, Long Bell Lumber Company.
41N/4W-7C1 (Sheet 15)	International Paper Company	Springs tributary to Beaughan Creek	Munic. Domestic	(*) (*)	Not meas.*	Adjud.	(g) (g) 0.17 cfs*	Par. 230[g] Par. 231[g] Par. 232[g]	About 1903	Gravity; two concrete boxes with 1.3 miles of 10-inch pipe.	Former owners: Weed Lumber Company, Long Bell Lumber Company. Serves a portion of the city of Weed and domestic needs of company plants in Weed. 0.17 cfs previously taken through Weed Lumber Company Mill Ditch.
41N/4W-18P1 (Sheet 15)	Southern Pacific Company	Black Butte Spring	Irrig. Domestic	3 acres by flooding 6 connections	20	Adjud.	0.50 cfs*	Par. 51[g]	1892	Gravity; wood headworks with 300 feet of 8-inch pipe to a small reservoir.	Former owners: Weed Estate. [illegible] cfs January 1 to December 31.
41N/4W-18B1 (Sheet 15)	International Paper Company	Beaughan Creek	Indust.	Lumber mill	2,900	Adjud.	(g)	Par. 230[g]	1923	Gravity; concrete dam 3 feet high, 10 feet long with 0.3 mile of 10-inch pipe.	Former owners: Weed Lumber Company, Long Bell Lumber Company.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WEED SUBUNIT (Continued)						
D B & I											
41N/5W-1H1 (Sheet 15)	International Paper Company	Beaughan Creek	Irrig. Stock.	109 acres by flooding* 240 head	196	Adjud.	(g)	Par. 230[g]	About 1900	Gravity; rock and earth dam with 0.8 mile of earth ditch.	Former owners: Weed Lumber Company, Long Bell Lumber Company. Area irrigated received supplemental supply from 41N/5W-1H2.
41N/5W-1H2 (Sheet 15)	International Paper Company	Beaughan Creek	Irrig. Stock.	(*)	279[a]	Adjud.	(g)	Par. 230[g]	About 1900	Gravity; rock and earth dam with 0.5 mile of earth ditch.	Former owners: Weed Lumber Company, Long Bell Lumber Company. Amount diverted supplemented 41N/5W-1H1.
41N/5W-2B1 (Sheet 15)	Pete Salanti	Boles Creek	Irrig. Stock.	82 acres by flooding* 60 head	697	Adjud.	0.80 cfs[h] 0.20 cfs[h]	Par. 326[g] Par. 67[g]	1885 1891	Gravity; timber dam with 1.0 mile of earth ditch and 300 feet of 10-inch pipe.	Former owner: Henry A. Behnke.
41N/5W-2E2 (Sheet 15)	International Paper Company	Boles Creek	Rec.	37 acre golf course	137	(b)	--	--	1952	Pump; 20-hp motor with a short 4-inch pipe.	
41N/5W-2H1 (Sheet 15)	Shastina Water Service W. B. Krum	Spring tributary to Boles Creek	Munic.	(*)	Not meas.	(b)	--	--	1918	Pumps; 20-hp and 7.5-hp motors with 0.3 mile of 3-inch pipe to 2 storage tanks.	Former owner: Thomas Sullivan. Serves a portion of the City of Weed.
41N/5W-3C1 (Sheet 15)	Charles S. and Dora Davidson	Boles Creek	Irrig.	3 acres by flooding	Not meas.	Adjud.	0.25 cfs[h] 0.10 cfs[h]	Par. 69[g]	1891	Gravity; 0.2 mile of earth ditch.	Former owner: Emma G. Kukens.
41N/5W-3D1 (Sheet 15)	Mike Belcastro	Boles Creek	Irrig. Stock.	4 acres by flooding 20 head	3	Adjud.	0.10 cfs[h]	Par. 332[g]	1904	Gravity; earth dam with 0.1 mile of earth ditch.	Former owner: Louie Scalise.
41N/5W-4F1 (Sheet 15)	Floyd Barnum William H. King John J. and Lillian M. Mazzini	Shasta River	Irrig. Stock.	284 acres by flooding 100 head	898	Adjud.	5.00 cfs[h]	Par. 197[g]	1856	Gravity; concrete dam with 1.6 miles of earth ditch.	Former owners: Frank A. King, Carrie Ann Kasshafer.
41N/5W-5H1 (Sheet 15)	Stuart Hammond	Spring tributary to Shasta River	Irrig. Domestic Stock.	18 acres by flooding (a) 175 head	80	Riparian	--	--	Prior 1916	Gravity; 0.2 mile of earth ditch and 0.1 mile of 2-inch pipe.	Former owners: S. Scott, C. S. Hammond.
41N/5W-5K1 (Sheet 15)	Stuart Hammond	Spring tributary to Shasta River	Irrig. Stock.	(*) 10 head	10[a]	Riparian	--	--	Prior 1900	Gravity; earth dam with a short earth ditch.	Former owners: J. Durney, C. S. Hammond. Amount diverted supplemented 41N/5W-17F2.
41N/5W-[illegible] (Sheet 15)	Stuart Hammond	Spring tributary to Shasta River	Irrig.	192 acres by flooding	902	Riparian	--	--	About 1900	Gravity; earth dam with 1.6 miles of earth ditch.	Former owners: S. Scott, C. S. Hammond.
41N/[illegible] (Sheet 15)	[illegible] Company	Shasta River	Irrig. Stock.	14 acres by flooding 25 head	336	Riparian	--	--	Prior 1958	Gravity; earth dam with 0.4 mile of earth ditch to small reservoir.	Former owner: John Bussi.

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TABLE 5(Continued)

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SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WEED SUBUNIT (Continued)						
[illegible] (Sheet [illegible])	[illegible] Yreka [illegible] Company	[illegible] River	Irrig. Stock.	2,6[illegible]9 acres by flooding[e] --	7,574[a]	Adjud.	(*)	(**)	1856	(**)	Previously irrigated an additional 201 acres. Amount diverted supplemented by 41N/5W-6D1 (Parks Creek Subunit) and 42N/6W-10G1 (Grenada Subunit). Combined supply supplemented 42N/6W-2P1, -3H1, 43N/6W-34R1 (all in Grenada Subunit) and 41N/5W-17F2 (Weed Subunit)**
[illegible] (Sheet [illegible])	Dwight Hammond	Shasta River	Irrig.	23 acres by flooding[e]	290	Adjud.	2.70 cfs[h]	Par. 86[g]	1895	Gravity; 0.6 mile of earth ditch.	Former owner: J. M. Dobkins. Area irrigated received supplemental supply from 40N/5W-21C1 (Shasta Lake Hydrographic Unit).
[illegible] (Sheet [illegible])	[illegible] and Inez Mary Meline	South Fork Boles Creek	Irrig. Stock.	27 acres by flooding[e] [illegible] head	293	Adjud.	0.30 cfs[h]	Par. 373[g]	1874	Gravity; rock and timber dam with 0.2 mile of earth ditch.	Former owner: Georgeanna Sullivan. Area irrigated received supplemental supply from 41N/5W-12C1.
[illegible] (Sheet [illegible])	Shasta Water Service [illegible]. Drum	Spring tributary to Boles Creek	Munic.	(*)	Not meas.	(b)	--	--	1905	Pump; 200 feet of 6-inch pipe.	Former owner: Thomas Sullivan. Serves a portion of the City of Weed.
[illegible] (Sheet [illegible])	[illegible] and Inez Mary Meline	North Fork Boles Creek	Irrig. Stock.	(*)	361[a]	Adjud.	0.35 cfs[h]	Par. 377[g]	1875	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owner: Georgeanna Sullivan. Amount diverted supplemented 41N/5W-11A1.
[illegible] (Sheet [illegible])	[illegible] and Inez Mary Meline	North Fork Boles Creek	Irrig. Stock.	4 acres by flooding[e] 30 head	296[a]	Adjud.	0.15 cfs[h]	Par. 376[g]	1874	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owner: Georgeanna Sullivan. Portion of amount diverted supplemented 41N/5W-12D1 for use reported thereunder.
[illegible] (Sheet [illegible])	[illegible] and Inez Mary Meline	North Fork Boles Creek	Irrig.	15 acres by flooding*	291*	Adjud.	0.25 cfs[h]	Par. 378[g]	1875	Gravity; earth and rock dam with a short earth ditch.	Former owner: Georgeanna Sullivan. Amount diverted supplemented by 41N/5W-12C2.
[illegible] (Sheet [illegible])	Frank and Maria [illegible]	Boles Creek	Irrig. Stock.	106 acres by flooding 30 head	362	Adjud.	1.05 cfs[h] 1.25 cfs[i]	Par. 323[g]	1867	Gravity; earth and rock dam with 2.5 miles of earth ditch and 0.4 mile of natural channel.	Former owner: J. M. Dobkins.
41N/5W-11D1 (Sheet 15)	International Paper Company	South Fork Boles Creek	Indust.	Lumber mill	Not meas.	Adjud.	4.00 cfs	Par. 227[g]	1868	Gravity; concrete dam with 2.2 miles of earth ditch.	Former owners: Weed Lumber Company, Long Bell Lumber Company.
[illegible] (Sheet 15)	[illegible] and Inez Mary Meline	Sullivan Spring	Munic.	(*)	Not meas.	Adjud.	0.34 cfs[h]	Par. 375[g]	1879	Gravity; concrete box with 0.3 mile of 6-inch pipe.	Former owners: A. K. Martin, Clara A. Kellogg, Frank A. Kellogg, Marie M. Martin. Serves a portion of the City of Weed.

* See remarks
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— Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appro-priation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WEED SUBUNIT (Continued)						
M D B & M											
41N/5W-14Q1 (Sheet 15)	Frank A. Kellogg; George Ladewig	South Fork Boles Creek	Irrig.*	(a)	None	Adjud.	0.40 cfs[h] 1.41 cfs[h]	Par. 185[g] Par. 291[g]	[illegible]	Gravity; concrete headgate in Boles Creek forms a dam, 0.7 mile long. Distribution of the water is accomplished with 2 pumps and 0.6 mile of earth ditch.	Former owners: Clara E. Kellogg, Jamie S. Martin. Previously irrigated 135 acres. Area irrigated normally received supplemental supply from a well.
41N/5W-16D1 (Sheet 15)	Dwight Hammond	Shasta River	Irrig.	11 acres by flooding	[illegible]	Adjud.	0.60 cfs[h]	Par. 84[g]	1853	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owners: Davidson, J. H. Dobkins.
41N/5W-16E1 (Sheet 15)	Dwight Hammond	Eddy Creek	Irrig.*	(a)	None	Adjud.	0.25 cfs[h]	Par. 27[g]	Prior 1874	Gravity; earth dam with 0.2 mile of earth ditch.	Former owners: J. Durney, C. S. Hammond. Previously supplemented 41N/5W-21L1.
41N/5W-16Q1 (Sheet 15)	Dwight Hammond	Shasta River	Irrig.	18 acres by flooding	644	Adjud.	0.35 cfs[h] 0.25 cfs[j] 0.025 cfs[j]	Par. 82[g]	1895	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owners: Davidson, J. H. Dobkins.
41N/5W-17F1 (Sheet 15)	Gertrude Crechriou	Eddy Creek	Irrig. Stock.	39 acres by flooding 30 head	371	Adjud.	1.55 cfs[h] 0.25 cfs[j]	Par. 78[g]	1879	Gravity; log dam with 0.6 mile of earth ditch.	Former owners: Roxanna Dow, Clarence Davidson.
41N/5W-17F2 (Sheet 15)	Dwight and Stuart Hammond	Eddy Creek	Irrig.	382 acres by flooding*	1,760	Adjud.	0.91 cfs[h] 1.00 cfs[j] 0.20 cfs*	Par. 26[f] Par. 63[f]	1850	Gravity; log dam with 2.2 miles of earth ditch.	Former owners: S. Scott, C. S. Hammond. Area irrigated received supplemental supply from 41N/5W-9R1 and 41N/5W-5K1. 0.20 cfs January 1 to December 31.
41N/5W-17F3 (Sheet 15)	Ellen Tupper	Eddy Creek	Domestic Stock. Power	(a) 2 head 1.2 KW	1,040	Approp.	1.53 cfs	Appl.17284[c]	1956	Gravity; earth and rock dam with 0.2 mile of earth ditch and a short 12-inch pipe.	
41N/5W-21A1 (Sheet 15)	[illegible]er Murphy	Shasta River	Irrig. Stock.	103 acres by flooding 150 head	658	Adjud.	1.40 cfs[h] 0.25 cfs[j]	Par. 77[g]	1881	Gravity; earth and rock dam with 0.9 mile of earth ditch.	Former owners: Jane [illegible]zini, Ira [illegible]. Dow.
41N/5W-21A2 (Sheet 15)	Dwight Hammond	Shasta River	Irrig.	3 acres by flooding*	510*	Adjud.	0.25 cfs[h]	Par. 81[g]	1900	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owners: Davidson, J. H. Dobkins. Amount diverted irrigated additional 96 acres jointly with 41N/5W-21A1 (Eddy Creek Subunit).
41N/5W-21C1 (Sheet 15)	Dwight Hammond	Dale Creek	Irrig.	(a)	897[i]	Adjud.	1.92 cfs[h]	Par. 25[g]	1855	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owners: J. Durney, C. S. Hammond. Amount diverted supplemented 41N/5W-21L1.
41N/5W-21L1 (Sheet 15)	Dwight [illegible]mond	Dale Creek	Irrig.	145 acres by flooding*	1,440	Adjud.	2.65 cfs[h]	Par. 24[g]	1864	Gravity; earth and rock dam with 1.4 miles of earth ditches.	Former owners: J. Durney, C. S. Hammond. Area irrigated received supplemental supply from 41N/5W-21C1. 41N/5W-16B1 also supplemented this diversion until 1958.

* See remarks
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— Information not available
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WEEO SUBUNIT (Continued)						
A D B & M											
42N/5W-21N1 (Sheet 12)	Ernest and Wosina Spada	Jackson Creek	Irrig. Stock.	47 acres by flooding[a] 38 head	1,159	Adjud.	0.30 cfs[h] 0.10 cfs[h]	Par. 361[g]	1865	Gravity; earth and rock dam 2 feet high, 30 feet long with 0.5 mile of earth ditch.	Former owner: Samuel Dennis. Amount diverted supplemented by 42N/5W-28D1 and -29A1.
42N/5W-21J1 (Sheet 12)	Samuel C. Jackson	Jackson Creek	Irrig. Stock.	60 acres by flooding 100 head	236	Riparian	--	--	Prior 1958	Gravity; earth dam with 0.6 mile of earth ditch.	
42N/5W-22L1 (Sheet 12)	Samuel C. Jackson	Carrick Creek	Irrig. Stock.	59 acres by flooding[a] 180 head	367	Adjud.	0.59 cfs[h]	Par. 178[g]	1855	Gravity; board dam with 0.3 mile of earth ditch.	Former owner: S. H. Jackson. Area irrigated, located in Dwinnell Reservoir Subunit, received supplemental supply from 42N/5W-22C1 (Dwinnell Reservoir Subunit).
42N/5W-22P1 (Sheet 12)	Samuel C. Jackson	Spring tributary to Jackson Creek	Irrig. Stock. Domestic	(a) 10 head (a)	60[c]	Adjud.	0.07 cfs[h] 0.03 cfs	Par. 172[g] Par. 173[g]	1857	Gravity; earth dam with a short earth ditch and a 2-inch pipe to a storage tank.	Former owner: S. H. Jackson. Amount diverted irrigated 4[illegible] acres jointly with 42N/5W-22R1.
42N/5W-22R1 (Sheet 12)	Samuel C. Jackson	Carrick Creek	Irrig. Stock.	70 acres by flooding[a] 200 head	715[c]	Adjud.	0.60 cfs[h]	Par. 177[g]	1856	Gravity; earth dam with 1.3 miles of earth ditch.	Former owner: S. H. Jackson. Amount diverted irrigated an additional 46 acres jointly with 42N/5W-22P1.
42N/5W-26B1 (Sheet 12)	A. B. Hoy	Carrick Creek	Irrig.	14 acres by flooding	124	Adjud.	0.26 cfs[h,e] 0.25 cfs[h,e]	Par. 170[g]	1865	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owner: A. T. Hoy. Reported water right amounts may be diverted all or in part by this diversion, 42N/5W-26B1, or 42N/5W-26H1.
42N/5W-25N1 (Sheet 12)	H. L. and Louise C. Vidrickson	Spring tributary to Carrick Creek	Irrig.	(a)	30[c]	(b)	--	--	1957	Gravity; 0.1 mile of earth ditch.	Amount diverted irrigated 4.9 acres jointly with 42N/5W-25N1 and 42N/5W-26J1.
42N/5W-25N2 (Sheet 12)	H. L. and Louise C. Vidrickson	Spring tributary to Carrick Creek	Irrig.	(a)	10[c]	Adjud.	0.12 cfs[h]	Par. 366[g]	1857	Gravity; earth dam with 0.9 mile of earth ditch.	Former owners: Hessie, F. [illegible] Stone. Amount diverted supplemented 42N/5W-25N2.
42N/5W-25P1 (Sheet 12)	Mike Belcastro H. L. and Louise C. Vidrickson	Carrick Creek	Irrig. Stock.	(a) --	187[c]	Adjud.	0.30 cfs[h,e]	Par. 370[g]	1857	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owner: F. B. Stone. Amount diverted supplemented 42N/5W-25N1 for use reported thereunder. Reported water right amount may be diverted all or in part by this diversion or 42N/5W-36D1.
42N/5W-25P2 (Sheet 12)	A. B. Hoy H. L. and Louise C. Vidrickson	Stone Creek	Irrig. Stock.	46 acres by flooding[a] 110 head	758	Adjud.	0.20 cfs[h] 0.10 cfs[h] 1.00 cfs[h]	Par. 367[g] Par. 167[g]	1857	Gravity; earth dam with 0.5 mile of earth ditch.	Former owners: Hessie, A. T. Hoy, F. B. Stone. Area irrigated received supplemental supply from 42N/5W-25N2.
42N/5W-26B1 (Sheet 12)	A. B. Hoy	Carrick Creek	Irrig.	6 acres by flooding	116[c]	Adjud.	(a)	(a)	1865	Gravity; timber [illegible] with 0.1 mile of earth ditch.	Amount diverted irrigated an additional 24 acres jointly with 42N/5W-26H1. For water right details see 42N/5W-35A1.

a See remarks
aa For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions"
— Information not available
For lettered footnotes, see last page of table

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WEED SUBUNIT (Continued)						
B D B & M											
42N/5W-26F1 (Sheet 12)	A. B. Hoy	Hoy Creek	Irrig. Stock.	44 acres by flooding 50 head	158	Adjud.	0.40 cfs[h] 0.15 cfs[h]	Par. 267[g] Par. 168[g]	1875	Gravity; earth dam with 0.2 mile of earth ditch.	
42N/5W-26M1 (Sheet 12)	A. B. Hoy	Carrick Creek	Irrig.	116 acres by flooding[a]	612[a]	Adjud.	0.15 cfs[h] 0.15 cfs[h] (*)	Par. 265[c] Par. 169[g] (*)	1865	Gravity; earth and rock dam with 1.5 miles of earth ditch.	Area irrigated received supplemental supply from 2 wells. Amount diverted includes supplemental supply from a spring. Amount diverted irrigated an additional 24 acres jointly with 41N/5W-26B1. For additional water right details see 42N/5W-23P1.
42N/5W-26J1 (Sheet 12)	H. L. and Louise C. Hidrickson	Spring tributary to Carrick Creek	Irrig.*	(*)	None	Adjud.	0.023 cfs*	Par. 368[g]	1857	Gravity; earth dam with 120 feet of 4-inch pipe and 200 feet of earth ditch.	Former owners: Hessig, F. B. Stone. Previously irrigated 49 acres jointly with 42N/5W-25N1 and 42N/5W-25P1. 0.023 cfs January 1 to December 31.
42N/5W-27D1 (Sheet 12)	Samuel C. Jackson	Spring tributary to Jackson Creek	Irrig. Stock.	65 acres by flooding* 50 head	160	Adjud.	0.15 cfs[h]	Par. 175[g]	1870	Gravity; earth dam with 0.1 mile of earth ditch.	Former owner: S. H. Jackson. Amount diverted supplemented by 42N/5W-27D2 and -28R1.
42N/5W-27D2 (Sheet 12)	Samuel C. Jackson	Spring tributary to Jackson Creek	Irrig. Stock.	(*) 20 head	40	Adjud.	0.15 cfs[h]	Par. 174[g]	1857	Gravity; earth dam with 400 feet of earth ditch.	Former owner: S. H. Jackson. Amount diverted supplemented 42N/5W-27D1 for use reported thereunder.
42N/5W-28C1 (Sheet 12)	Ernest and Rosina Spada Lawrence E. and Myrtle F. Sullivan	Jackson Creek	Irrig.	37 acres by flooding[a]	50	Adjud.	0.25 cfs[h] 0.10 cfs[i]	Par. 391[g]	1858	Gravity; earth and rock dam 1.5 feet high and 10 feet long with 0.2 mile of earth ditch.	Former owners: Martha Lewis, Mary A. Wholey. Area irrigated received supplemental supply from 42N/5W-28D1.
42N/5W-28D1 (Sheet 12)	Ernest and Rosina Spada	Jackson Creek	Irrig. Stock.	(*) 40 head	345[a]	Adjud.	1.30 cfs[h] 0.15 cfs[i]	Par. 360[g]	1865	Gravity; timber dam with 0.5 mile of earth ditch.	Former owners: Wholey, Sullivan, John Lemos, Amuel Dennis. Portion of amount diverted supplemented 42N/5W-21N1 and -28C1 for use reported thereunder.
42N/5W-29B1 (Sheet 12)	Frank Alexander William Wellons	Shasta River	Irrig. Stock.	31 acres by flooding 50 head	775	Approp.	7 af	Appl. 3952[c]	1894	Gravity; concrete dam with 1.5 miles of earth ditch to o regulatory reservoir.	Former owner: Samuel Alexander.
42N/5W-29[illegible] (Sheet 12)	Lawrence E. and Myrtle F. Sullivan	Jonathan Creek	Irrig. Stock.	36 acres by flooding 100 head	472	Adjud.	0.58 cfs[h]	Par. 390[g]	1890	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Martha Lewis, Mary A. Wholey.
42N/5W-3[illegible] (Sheet 12)	Samuel C. Jackson	Spring tributary to Jackson Creek	Irrig.*	(*)	None	Adjud.	0.35 cfs[h]	Par. 176[g]	1864	Gravity; earth dam with 0.4 mile of earth ditch.	Former owner: S. H. Jackson. Irrigated 59 acres jointly with 42N/5W-28R1 until 1958.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958: Purpose	Water use in 1958: Extent and method of use	Water use in 1958: Amount diverted in acre-feet	Apparent water right: Type	Apparent water right: Amount	Apparent water right: Reference	Indicated date of appropriation or first use	Description of diversion system	Remarks
					WEED SUBUNIT (Continued)						
[illegible] (Sheet [illegible])	[illegible]	[illegible] Creek	Irrig.	20 acres by flooding	273	Adjud.	0.40 cfs[h]	Par. 49[g]	[illegible]6	Gravity; earth and timber dam with [illegible] mile of earth ditch.	Former owner: [illegible] E. Cavanaugh.
[illegible] (Sheet 12)	[illegible]wrence [illegible] and [illegible]yrtle [illegible] [illegible]ivan	[illegible] Creek	Irrig. Stock.	[illegible] acres by flooding [illegible]00 head	25[illegible]	Adjud.	[illegible].62 cfs[h*] 0.13 cfs[h]	Par. 171[g] Par. [illegible]9[g]	[illegible]54	Gravity; earth and rock dam with [illegible].7 mile of earth ditch.	Former owners: [illegible], [illegible]holey, S. H. [illegible]ckson. 2.6[illegible] cfs [illegible] be diverted all or in part by this diversion or [illegible]2N/5W-2[illegible].
[illegible] (Sheet [illegible])	[illegible] and [illegible] Neal	[illegible] River	Irrig.	49 acres by flooding*	1,4[illegible]7*	Adjud.	0.80 cfs[h]	Par. 45[g]	1956	Gravity; earth and timber dam with 300 feet of earth ditch.	Former owner: R. E. Cavanaugh. Amount diverted supplemented by 42N/5W-33K1.
[illegible] (Sheet [illegible])	[illegible] Jackson	[illegible] Creek	Irrig. Stock.	21 acres by flooding* 15 head	1[illegible]0*	Adjud.	.25 cfs[h]	Par. 214[g]	1[illegible]31	Gravity; timber dam with 0.1 mile of earth ditch.	Former owner: Alice V. Koppel. Amount diverted supplemented by 42N/5W-28[illegible]1.
[illegible] (Sheet 12)	[illegible] Jackson	Beauchan Cre[illegible]	Irrig. Stock.	147 acres by flooding* 600 head	1,421*	Adjud.	2.62 cfs[h*] 0.40 cfs[h] [illegible] cfs[h]	Par. 171[g] Par. 212[g] Par. 213[g]	1881	Gravity; earth and timber dam with 1.1 miles of earth ditch.	Former owner: Alice V. Koppel. Area irrigated includes 59 acres normally irrigated jointly with 42N/5W-2[illegible]J1. Amount diverted supplemented 42N/5W-27D1 and -28Q1 for additional use reported thereunder. 2.62 cfs may be diverted all or in part by this diversion or 42N/5W-28K2.
[illegible]A1 (Sheet [illegible])	[illegible] and [illegible]osina [illegible]	Shasta River	Irrig. Stock.	2[illegible] acres by flooding* 20 head	495*	Adjud.	0.55 cfs[h] 0.25 cfs[j]	Par. 359[g]	1865	Gravity; earth and rock dam with 1.[illegible] mile of earth ditch.	Former owners: Emil Dennis, Amuel Dennis. Amount diverted supplemented 42N/5W-21N1 for additional use reported thereunder.
[illegible]C1 (Sheet 12)	A. W. and Alma Nea[illegible]	Shasta River	Irrig.	39 acres by flooding	1,210	(b)	--	—	Prior 1958	Gravity; earth and gravel dam with 0.5 mile of earth ditch.	Former owners: Cavanaugh, Huckey, Pete Hoglan.
[illegible]/5W-[illegible]C2 (Sheet 12)	Ernest E. and Dorothy N. Solus	Tributary to Shasta River	Irrig. Stock.	30 acres by flooding* [illegible] head	114*	Adjud.	0.25 cfs[h]	Par. 60[g]	1885	Gravity; earth and timber dam with a short earth ditch.	Former owner: George L. Chase. Amount diverted supplemented by 42N/5W-33L1.
42N/5W-[illegible]K1 (Sheet 12)	Harry Lemos A. W. and Alma Neal Laverne H. Hucker Ernest E. and Dorothy N. Solus	[illegible]les Creek	Irrig.	75 acres by flooding*	2,519*	Adjud.	0.60 cfs* 1.00 cfs[h] 1.00 cfs[h] 0.25 cfs[j]	Par. 44[g] Par. 56[g] Par. 61[g]	1865	Gravity; timber dam with 1.5 miles of earth ditch.	Former owners: George L. Chase, Susie L. Behnke, R. [illegible] Cavanaugh. Amount diverted supplemented 42N/5W-28P1 for use reported thereunder. 0.60 cfs January 1 to December 31.
[illegible]/5W-33K2 (Sheet 12)	Harry Lemos	[illegible]les Creek	Irrig. Stock.	27 acres by flooding 30 head	434	Adjud.	1.10 cfs[h]	Par. 57[g]	1865	Gravity; timber dam with 0.3 mile of earth ditch.	Former owner: Susie L. Behnke.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WEED SUBUNIT (Continued)						
[illegible]											
42N/5W-33L1 (Sheet 12)	Harry Lemos Ernest E. and Dorothy M. [illegible]	Shasta River	Irrig. Stock.	[illegible] acres by flooding [illegible] head	[illegible]*	Adjud.	[illegible] cfs[h] 0.25 cfs[j] 0.1[illegible] cfs[h] [illegible].5 cfs[h] [illegible].25 cfs[j]	Par. 42[g] Par. 53[g] Par. [illegible]	1875	Gravity; earth [illegible] with [illegible].7 mile of earth ditch.	Former owners: [illegible] L. [illegible]ehnke, [illegible], Chase, [illegible], Don Chase, [illegible]. [illegible] amount diverted supplemented 42N/5W-33C2 for additional use reported thereunder.
42N/5W-34K1 (Sheet 12)	Willard K. [illegible]	[illegible] Plant	Irrig.	[illegible] acres by flooding	Not meas.	(b)	--	--	About 1920	Gravity; [illegible].7 mile of earth ditch.	
42N/5W-35A1 (Sheet 12)	Mike Belcastro	Spring tributary to Carrick Creek	Irrig. Stock.	170 acres by flooding* 200 head	420*	Adjud.	[illegible].66 cfs[h] 0.20 cfs[j]	Par. 371[g]	1857	Gravity; earth dam with [illegible].6 mile of earth ditch.	Former owners: [illegible] Stone, Kenneth Stone. Previously irrigated an additional [illegible] acres. [illegible]ortion of area irrigated received supplemental supply from [illegible] well. Amount diverted supplemented 42N/5W-35B1 for additional use reported thereunder.
42N/5W-[illegible]5B1 (Sheet 1[illegible])	Mike Belcastro	Spring tributary to Carrick Creek	Irrig. Domestic Stock.	8 acres by flooding (a) 200 head	10*	Adjud.	0.025 cfs[j]	Par. 37[illegible][g]	1910	Gravity; concrete box with [illegible] mile of 1-inch pipe.	Former owner: W. [illegible] Stone. Amount diverted supplemented by 42N/5W-35A1. 0.025 cfs January 1 to December 31.
42N/5W-35L1 (Sheet 1[illegible])	Joe Belcastro	Beaughan Creek	Irrig. Stock.	42 acres by flooding 45 head	Not meas.	Adjud.	0.55 cfs[h] [illegible].25 cfs[j]	Par. 13[g]	1883	Gravity; earth dam with [illegible].6 mile of earth ditch.	Former owner: Forrester.
42N/5W-36[illegible] (Sheet [illegible])	Mike Belcastro	Carrick Creek	Irrig. Stock.	34 acres by flooding 200 head	372	Adjud.	(*)	(*)	1857	Gravity; earth dam with 1.[illegible] miles of earth ditch.	Former owners: W. [illegible] Stone, Kenneth Stone. Previously irrigated an additional 14 acres. For water right details see 42N/5W-[illegible].
42N/5W-36H1 (Sheet 12)	Cecile Carrick Crooks Mae Carrick Cody	Carrick Creek	Irrig. Stock.	315 acres by flooding 300 head	[illegible],346	Adjud.	[illegible].20 cfs[h] 0.25 cfs[j] 1.95 cfs[j]	Par. 30[g]	1853	Gravity; [illegible] dam with [illegible].5 miles of earth ditch.	
42N/5W-36H2 (Sheet 12)	Homer Zwanziger	Carrick Creek	Irrig. Stock.	241 acres by flooding 250 head	1,547	Adjud.	2.20 cfs[h] 0.25 cfs[j] 14 af[j] 0.014 cfs[h] 0.015 cfs[h]	Par. 1[g] Par. 2[g] Par. 3[g]	1854	Gravity; earth and rock dam with 2.3 miles of earth ditch.	Former owners: Abner Reed, Abbie C. Albee.
42N/5W-36M1 (Sheet 12)	John H. Linville	Beaughan Creek	Irrig. Stock.	7 acres by flooding 15 head	11	Adjud.	[illegible].45 cfs[h]*	Par. 291[g]	1890	Gravity; earth and log dam with 0.[illegible] mile of earth ditch.	Former owners: Richardson, Arbaugh, Clyde Morris. Reported water right amount may be diverted all or in part by this diversion or 42N/5W-35M[illegible].
42N/5W-36M[illegible] (Sheet [illegible]2)	John H. Linville	Beaughan Creek	Irrig. Stock.	[illegible]7 acres by flooding 15 head	72	Adjud.	(*)	(*)	1890	Gravity; earth and log dam with [illegible].2 mile of earth ditch.	Former owners: Richardson, Arbaugh, Clyde Morris. For water right details see 42N/5W-[illegible]1.

* See remarks

** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions"

-- Information not available

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	References			
M. D. B. & M.						WILLOW CREEK SUBUNIT					
42N/6W-7G1 (Sheet 11)	James Damron	Tributary to Willow Creek	Irrig.	32 acres by flooding	Not meas.	Adjud.	0.80 cfs*	Par. 260[6]	1898	Gravity; 0.3 mile of earth ditch.	Former owner: Barney Mc Coy. 0.8 cfs February 1 to November 1.
42N/6W-17K1 (Sheet 11)	Howard Damron	Long Gulch	Irrig. Stock.	55 acres by flooding 50 head	Not meas.	Adjud.	0.50 cfs[h] 0.15 cfs[j]	Par. 157[6]	Prior 1880	Gravity; earth dam 6 feet high, 200 feet long with 2 earth ditches totaling 1. mile in length.	Former owners: W. E. Harris, Van Horn, Chamberlain, Johnson, Richardson.
42N/6W-17L1 (Sheet 11)	Howard Damron	Willow Creek	Irrig.	55 acres by flooding	Not meas.	Adjud.	1.50 cfs[h] 0.25 cfs[j]	Par. 156[6]	1855	Gravity; earth dam 3 feet high, 15 feet long with 0.2 mile of earth ditch.	Former owners: W. E. Harris, Van Horn, Chamberlain, Johnson, Richardson.
42N/6W-17N1 (Sheet 11)	Howard Damron	Willow Creek	Irrig.	37 acres by flooding	Not meas.	(a)	--	--	Prior 1880	Gravity; 0.2 mile of earth ditch.	Former owners: W. E. Harris, Van Horn, Chamberlain, Johnson, Richardson. This diversion diverts a portion of the amount entitled to 42N/6W-17L1.
42N/6W-19A1 (Sheet 11)	Dan Shelley	Willow Creek	Irrig.	117 acres by flooding and sprinkler*	1,286[a]	Adjud.	11.20 cfs[h]	Par. 119[6][a]	1856	Gravity; rock and gravel dam with 3.5 miles of earth ditch and 0.4 mile of pipe.	Former owners: Louis Foulke, Edson Foulke Company. Area irrigated is located in Grenada Subunit. Amount diverted irrigated an additional 98 acres jointly with 42N/6W-16C1 and 14.3 acres jointly with 42N/6W-9J1 (both in Grenada Subunit).
42N/6W-19G1 (Sheet 11)	Kathryn Heinsen	Squaw Creek	Irrig.	7 acres by flooding	252	Adjud.	0.06 cfs[h]	Par. 132[6]	1858	Gravity; rock dam with 0.3 mile of earth ditch.	Former owner: Mary Finnerty.
42N/6W-19G2 (Sheet 11)	Kathryn Heinsen	Willow Creek	Irrig.	14 acres by flooding*	54	Adjud.	0.05 cfs[h]	Par. 126[6]	1858	Gravity; timber dam 1 foot high, 8 feet long with 0.2 mile of earth ditch.	Former owner: Mary Finnerty. Area irrigated received supplemental supply from 42N/6W-19K1.
42N/6W-19H1 (Sheet 11)	Kathryn Heinsen	Squaw Creek	Irrig.	(a)	294[b]	Adjud.	0.25 cfs[h] 0.20 cfs[j]	Par. 128[6]	1858	Gravity; 0.3 mile of earth ditch.	Former owner: Mary Finnerty. Amount diverted supplemented 42N/6W-19G2.
42N/6W-19K2 (Sheet 11)	Kathryn Heinsen	Squaw Creek	Irrig.	14 acres by flooding	229	Adjud.	0.95 cfs[h]	Par. 131[6]	1858	Gravity; 0.3 mile of earth ditch.	Former owner: Mary Finnerty.
42N/6W-19M1 (Sheet 11)	Gertrude Grechriou	Willow Creek	Irrig.*	(a)	None	Adjud.	0.25 cfs[h]	Par. 354[6]	1882	Gravity; rock dam with a short earth ditch.	Former owner: John Sissel. Previously irrigated 20 acres.
42N/6W-20D1 (Sheet 11)	Kathryn Heinsen	Squaw Creek	Irrig.	20 acres by flooding	364	Adjud.	0.03 cfs[h]	Par. 129[6]	Prior 1958	Gravity; 0.2 mile of earth ditch.	Former owners: Hallet, Farraher, Finnerty.
42N/7W-12A1 (Sheet 11)	W. A. Payton	Tributary to Willow Creek	Irrig.	18 acres by sprinkler	Not meas.	Riparian	--	--	1948	Gravity; earth dam 15 feet high, 100 feet long with 0.7 mile of 6-inch pipe.	Former owner: Greenwood.

* See remarks
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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WILLOW CREEK SUBUNIT (Continued)						
43N/7W-2A1 (Sheet 11)	Gertrude Crechriou	Willow Creek	Irrig.	7 acres by flooding	14	Adjud.	0.30 cfs[h] 0.15 cfs[i]	Par. 352[g]	1883	Gravity; rock dam with 0.1 mile of earth ditch.	Former owner: John Sissel.
43N/7W-2C1 (Sheet 11)	Bertha A. Ashburn	Birch Gulch	Irrig.	4 acres by flooding	25	Adjud.	0.10 cfs[h]	Par. 351[g]	1882	Gravity; short earth ditch.	Former owner: John Sissel.
43N/7W-2D1 (Sheet 11)	Bertha A. Ashburn	Willow Creek	Irrig.*	(a)	None	Adjud.	0.25 cfs[h]	Par. 344[g]	1902	Gravity; log dam with 0.2 mile of earth ditch.	Former owner: John Sissel. Previously irrigated 10 acres.
43N/7W-1H1 (Sheet 8)	Menenhall Brothers	Guys Gulch	Irrig.	12 acres by flooding	Not meas.	(b)	--	--	About 1860	Gravity; earth dam with 0.2 mile of earth ditch.	Former owner: E. Lovelace.
43N/7W-1J1 (Sheet 8)	Menenhall Brothers	Guys Gulch	Irrig. Stock.	17 acres by flooding* 75 head	9[e]	Riparian	--	--	About 1860	Gravity; rock and earth dam with 0.5 mile of earth ditch.	Former owner: E. Lovelace. Portion of amount diverted supplemented 43N/7W-1H1 for additional use reported thereunder.
43N/7W-1K1 (Sheet 8)	Menenhall Brothers	Tributary to Guys Gulch	Irrig.	16 acres by flooding	11[e]	(b)	--	--	About 1860	Gravity; earth and rock dam with 0.1 mile of earth ditch.	Former owner: E. Lovelace. Amount diverted supplemented by 43N/7W-1J1.
					YREKA CREEK SUBUNIT						
44N/7W-3M1 (Sheet 5)	Shastalite Block Company	Walter's Gulch	Indust. Domestic	Concrete mixing (a)	10	(b)	--	--	1953	Pump; 3/4-hp motor with a short 1-inch pipe to a 3,000 gallon storage tank.	Former owner: Zylstra.
44N/7W-4A1 (Sheet 5)	Laura Cawley	Yreka Creek	Irrig.	53 acres by flooding[a]	Not meas.[a]	Riparian	--	--	Prior 1958	Pump on sump with short pipeline.	Former owners: Schock, Castello. Amount diverted irrigated an additional 43 acres jointly with 44N/7W-8A1.
44N/7W-5L1 (Sheet 5)	Fred W. Burton	Lime Gulch	Irrig.	11 acres by flooding	Not meas.	Adjud.	0.20 cfs[h]	Par. 431[g]	1915	Gravity; 0.5 mile of earth ditch.	Former owner: F. C. Burton.
44N/7W-5[illegible] (Sheet 5)	Fred W. Burton	Lime Gulch	Irrig.	28 acres by flooding	Not meas.[a]	Adjud.	0.70 cfs[h]	Par. 429[g]	1900	Gravity; short earth ditch.	Former owner: F. C. Burton. Amount diverted supplemented by 44N/7W-5D1.
44N/7W-5H1 (Sheet 5)	Fred W. Burton	Lime Gulch	Irrig.*	(a)	None	Adjud.	0.95 cfs[h] 1.25 cfs[i]	Par. 432[g]	1870	Gravity; 0.5 mile of earth ditch.	Former owner: F. C. Burton. Previously irrigated an estimated 50 acres.
44N/7W-7J1 (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	26 acres by flooding	Not meas.[a]	Adjud.	0.15 cfs[h]	Par. 422[g]	1855	Gravity; 0.4 mile of earth ditch.	Former owner: F. C. Burton. Amount diverted supplemented by 44N/7W-8M1 and -8Q1.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					YREKA CREEK SUBUNIT (Continued)						
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	42 acres by flooding	Not meas.	Adjud.	0.75 cfs[h] 0.25 cfs[j]	Par. 421[g]	1851	Gravity; [illegible] mile of earth ditch.	Former owner: F. C. Burton.
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	9 acres by flooding[a]	Not meas.[a]	Adjud.	0.20 cfs[h]	Par. 430[g]	1912	Gravity; 0.4 mile of earth ditch.	Former owner: F. C. Burton. Portion of amount diverted irrigated an additional 43 acres jointly with 44N/7W-4K1.
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	19 acres by flooding[a]	Not meas.[a]	Adjud.	1.10 cfs[h]	Par. 429[g]	1884	Gravity; 1.3 miles of earth ditch.	Former owner: F. C. Burton. Portion of amount diverted supplemented 44N/7W-5Q1 for additional use reported thereunder.
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	11 acres by flooding	Not meas.	Adjud.	0.45 cfs[h]	Par. 424[g]	1858	Gravity; 0.3 mile of earth ditch.	Former owner: F. C. Burton.
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	77 acres by flooding[a]	Not meas.	Adjud.	0.45 cfs[h]	Par. 425[g]	1858	Gravity; 0.7 mile of earth ditch.	Former owner: F. C. Burton. Area irrigated received supplemental supply from 44N/7W-8K3.
[illegible] (Sheet 5)	Fred W. Burton	Canaan Gulch	Irrig.	(c)	Not meas.[a]	Adjud.	0.13 cfs[h]	Par. 425[g]	1858	Gravity; short earth ditch.	Former owner: F. C. Burton. Amount diverted supplemented 44N/7W-8K2.
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	8 acres by flooding	Not meas.	Adjud.	0.15 cfs[h]	Par. 428[g]	1911	Gravity; 0.2 mile of earth ditch.	Former owner: F. C. Burton.
[illegible] (Sheet 5)	Fred W. Burton	Yreka Creek	Irrig.	(c)	Not meas.[a]	Adjud.	0.45 cfs[h]	Par. 423[g]	1881	Gravity; 0.1 mile of earth ditch.	Former owner: F. C. Burton. Amount diverted supplemented 44N/7W-7J1 for use reported thereunder.
[illegible] (Sheet 5)	Fred W. Burton	Canaan Gulch	Irrig.	7 acres by flooding[a]	Not meas.[a]	Adjud.	0.03 cfs[h]	Par. 426[g]	1910	Gravity; 0.4 mile of earth ditch.	Former owner: F. C. Burton. Portion of amount diverted supplemented 44N/7W-7J1 for additional use reported thereunder.
[illegible] (Sheet 5)	Fred W. Burton	Canaan Gulch	Irrig.	3 acres by flooding	Not meas.	Adjud.	0.075 cfs[h]	Par. 427[g]	1910	Gravity; short earth ditch.	Former owner: F. C. Burton.
[illegible] (Sheet 5)	Ernest and Zelma Walter	Walter's Gulch	Irrig. Stock.	27 acres by flooding[a] 50 head	105	Adjud.	.70 cfs[h] 0.25 cfs[j]	Par. 499[g]	Prior 1895	Gravity; rock and gravel dam with 0.6 mile of earth ditch.	Former owners: Eggley, John Walter, George Walter. Previously irrigated an additional 5 acres.
[illegible] (Sheet 5)	W. [illegible] Flock	Walter's Gulch	Irrig. Stock.	5 acres by flooding 10 head	19	Adjud.	1.0 cfs[h]	Par. 461[g]	1860	Gravity; board and metal dam with 0.2 mile of earth ditch.	Former owners: H. E. and Boyd M. Pruett.
[illegible] (Sheet 5)	Ernest and Zelma Walter	Walter's Gulch	Irrig. Stock.	25 acres by flooding 25 head	168	Adjud.	0.45 cfs[h]	Par. 500[g]	Prior 89[illegible]	Gravity; rock and earth dam with 0.2 mile of earth ditch.	Former owners: John Walter, George Walter.
[illegible] (Sheet 5)	[illegible]	Pruett Gulch	Irrig. Stock. Rec'l.	36 acres by sprinkler -- Fishing	111	(b)	--	--	About 1868	Gravity, storage; earth dam 20 feet high, 750 feet long with 0.7 mile of natural channel to a portable pump.	Former owners: Dr. Adams.

* See remarks

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
YREKA CREEK SUBUNIT (Continued)											
45N/7W-3K1 (Sheet 2)	Joseph A. Lemos	Rocky Gulch	Irrig. Stock. Domes	15 acres by flooding 40 head [illegible] acre	5	Adjud.	2.00 cfs[j] 0.55 cfs[k] 0.25 cfs[j]	Par. 452[f] Par. 45[illegible]	About 1944	Gravity; earth and rock dam with 0.1 mile of earth ditch to [illegible] storage reservoir.	
45N/7W-9J1 (Sheet 2)	Normand L. Girard	Long Gulch	Irrig. Stock.	37 acres by flooding[e] 100 head	84	Adjud.	0.50 cfs[h]	Par. 436[g]	1875	Gravity; earth and rock [illegible] 2 feet high, 6 feet long with 1.6 mile of earth ditch.	Former owners: Tom Cardoza, R. Stone. Area irrigated normally receives supplemental supply from 45N/7W-10M1. Previously irrigated an additional 3 acres.
45N/7W-10M1 (Sheet 2)	Normond L. Girard	Long Gulch	Irrig.	(e)	None	(b)	--	--	About 1870	Gravity; rock and earth dam with [illegible] 00 feet of earth ditch.	Former owner: [illegible] previously supplemented 45N/7W-9J1.
45N/7W-15R1 (Sheet 2)	C. E. [illegible]	Long Gulch	Irrig.	4 acres by floodin[illegible]	14[n]	(b)	--	--	About 1880	Gravity; rock and concrete dam 3 feet high, 4 feet long with 60 feet of 8-inch pipe and 0.3 mile of earth ditch.	
45N/7W-21F1 (Sheet 2)	Gerald Lan[illegible]	North Fork Humbug Gulch	Irrig. Stock.	22 acres by flooding --	31	Adjud.	0.35 cfs[h] 0.20 cfs[j]	Par. 496[g]	Prior 1876	Gravity; underground drain to 0.3 mile of earth ditch.	Former owners: Pellet, Fruit, Shell, Valin. Reported water right amounts may be diverted [illegible] in part by this diversion or 45N/7W-21F2.
45N/7W-21G1 (Sheet 2)	Gerald Lan[illegible]	North Fork Humbug Gulch	Irrig.	(e)	Not meas.[e]	Adjud.	0.65 cfs[h]	Par. 497[g]	Prior 1876	Gravity; earth dam 15 feet high, 200 feet long with 0.1 mile of earth ditch.	Former owner: Antone C. Valin. Amount diverted supplemented 45N/7W-21K1 for use reported thereunder.
45N/7W-21K1 (Sheet 2)	Gerald Lan[illegible]	North Fork Humbug Gulch	Irrig. Stock.	25 acres by flooding[e] --	Not meas.	Riparian	--	--	About 1850	Gravity; earth and gravel dam with 0.1 mile of earth ditch.	Former owners: Pellet, Fruit, Shell, Antone C. Valin. Area irrigated received supplemental supply from 45N/7W-21G1 and 45N/7W-21K1.
45N/7W-21 1 (Sheet 2)	Gerald Lan[illegible]	South Fork Humbug Gulch	Irrig. Stock.	5 acres by flooding --	74	Adjud.	0.025 cfs[e]	Par. 498[g]	Prior 1895	Gravity; earth dam 45 feet high, 200 feet long with 0.1 mile of earth ditch.	Former owner: Antone C. Valin. 0.025 cfs January 1 to December 31.
45N/7W-[illegible] (Sheet 2)	Gerald Lan[illegible]	South Fork Humbug Gulch	Irrig. Stock.	22 acres by flooding[e] --	Not meas.	Adjud.	(e)	Par. 496[g]	Prior 1876	Gravity; rock and timber dam with 0.1 mile of earth ditch.	For owner: Antone C. Valin. For water right details see 45N/7W-21F1. Area irrigated received supplemental supply from 45N/7W-[illegible].
45N/7W-21L1 (Sheet 2)	Gerald Lan[illegible]	South Fork Humbug Gulch	Irrig. Stock.	(e)	Not meas.[e]	Riparian	--	--	About 1850	Gravity; timber dam with 0.2 mile of earth ditch.	Former owner: Antone C. Valin. Amount diverted supplemented 45N/7W-21P2 for use reported thereunder.
45N/7W-21M1 (Sheet 2)	Gordon G. James	Humbug Gulch	Irrig. Stock.	(e)	Not meas.[e]	Adjud.	0.10 cfs[e]	Par. 495[g]	1888	Gravity; earth dam with a short earth ditch.	Former owner: George A. Tebbe. Amount diverted supplemented 45N/7W-21K1 for use reported thereunder. 0.10 cfs January 1 to December 31.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					YREKA CREEK SUBUNIT (Continued)						
45N/7W-[illegible] (Sheet 2)	City of Yreka	Yreka Creek	Munic. Rec'l.	(*) Swimming pool	10	Adjud.	4.00 cfs*	Par. 503[g]	1903	Pump; 40-hp motor with 200 feet of 6-inch pipe from an underground concrete dam 2 feet high and 240 feet long.	Used as an auxiliary pump for city water supply. 4.00 cfs January 1 to December 31.
45N/7W-23D1 (Sheet 2)	City of Yreka	Yreka Creek	Munic.	1,380 connections*	487	Approp.	1.68 cfs	Appl.16392[c]	194[illegible]	Pumps; 2-50-hp motors with 0.2 mile of 12-inch pipe.	Purpose reported received supplemental supply from 45N/7W-29L[illegible] and 45N/7W-33A1.
45N/7W-[illegible] (Sheet 2)	Erick Johnson	Yreka Creek	Irrig.	62 acres by sprinkler	49	Riparian	--	--	Prior 1923	Pump; 20-hp motor with 0.2 mile of 4-inch pipe.	Former owner: John P. Car[illegible]a.
45N/7W-27H1 (Sheet 2)	A. Young	Yreka Creek	Indust.*	(*)	None	(b)	--	--	1904	Pump; 7½-hp motor with 0.1 mile of 6-inch pipe.	Former owner: Alden J. Steele. Previously supplied a gravel washing plant.
45N/7W-29L[illegible] (Sheet 2)	City of Yreka	Greenhorn Creek	Munic.	(*)	Not meas.*	Adjud.	1.00 cfs*	Par. 501[g]	1869	Gravity; rock dam 21 feet high, 240 feet long with 2.4 miles of 8-inch pipe to a storage reservoir.	Amount diverted supplemented 44N/7W-23D1 for use reported thereunder. 1.00 cfs January 1 to December 31.
45N/7W-[illegible] (Sheet 2)	Josephine Brown [illegible] Culp Larue Payne Albert Tebbe	Greenhorn Creek	Irrig.	30 acres by flooding	266	Adjud.	0.71 cfs[h] 2.12 cfs[h] 0.71 cfs[h] 0.71 cfs[h] 0.45 cfs[h]	Par. 451[g] Par. 447[g] Par. 492[g] Par. 494[g] Par. 434[g]	About 1855	Gravity; 3.0 miles of earth ditch.	Former owners: Joe Phillip and Antone Phillip and King Phillip, George Tebbe, George Souza, Manual Lawrence, Henry Lemay.
45N/7W-[illegible] (Sheet 2)	Manuel F. Rose, Jr.	Greenhorn Creek	Irrig. Stock. Mining	35 acres by flooding 75 head Placer	Not meas.	Adjud.	0.45 cfs[h] 0.25 cfs[j]	Par. 472[g]	1856	Gravity; rock and log dam 4 feet high, 18 feet long with 1.0 mile of earth ditch.	
45N/7W-2[illegible] (Sheet 2)	[illegible] Marlow	Spring tributary to Greenhorn Creek	Irrig. Domestic	3 acres by flooding (a)	Not meas.	(b)	--	--	Prior 1958	Gravity; short 1-inch pipe to a 7,000 gallon storage tank with 0.1 mile of 4-inch pipe from the tank.	Former owners: R. R. Land, [illegible] Marlow.
45N/7W-[illegible] (Sheet 2)	Manuel F. Rose, Jr.	Greenhorn Creek	Irrig. Domestic Stock. Mining	14 acres by flooding (a) 75 head Placer	Not meas.	Adjud.	0.40 cfs[h] .25 cfs[j]	Par. 470[g]	1855	Gravity; gravel and rock dam with [illegible].6 mile of earth ditch.	
45N/7W-30[illegible] (Sheet 2)	[illegible]	[illegible] Gulch	Irrig. Domestic Stock.	16 acres by flooding (a) 10 head	31	Adjud.	0.25 cfs[h]	Par. 455[g]	Prior 18[illegible]	Gravity; earth dam 60 feet high, 175 feet long with 0.2 mile of earth ditch.	Former owner: [illegible], Sarah Nunes.

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion Location and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1958			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					YREKA CREEK SUBUNIT (Continued)						
45N/7W-33A1 (Sheet 2)	[illegible] of Yreka	Greenhorn Creek	Munic. Indust.	(*) Lumber mill	195[p]	Approp.	4.00 cfs 650 af	Appl.18186[c]	About 1946	Pump; 15-h[illegible] motor with [illegible].2 mile of 8-inch pipe.	[illegible]portion of amount diverted supplemented 45N/7W-23D1 for additional use reportad thereunder.
45N/7W-4[illegible] (Sheet 2)	Mrs. [illegible]en Hill	Yreka Creek	Irrig. Stock.	23 acres by sprinkler 20 head	[illegible]	Adjud.	[illegible].25 cfs[h]	Par. 477[g]	1865	Pump; 5-h[illegible] motor with 0.1 mile [illegible] pipe.	Former owners: [illegible]arty Shuck and Mildred Lot[illegible].
45N/7W-4A1 (Sheet 2)	Joe [illegible]ese	Greenhorn Creek	Irrig. Stock. Mining	27 acres by flooding 10 head Hydraulic and placer	70[n]	Adjud.	0.10 cfs[h] 0.05 cfs[j]	Par. 466[g]	Prior 1905	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owners: [illegible]. [illegible] and [illegible]. [illegible]ese.

* See remarks.

a. Domestic use of less than 5 connections.

b. Insufficient information to determine type of water right.

c. Applications to appropriate water filed with State Water Rights Board as shown in Table C-1, Appendix C.

d. John H. Mason, et al. vs Harry M. Bemrod, et al., No. 14478, Siskiyou County Superior Court, July 1, 1958. For additional information concerning this case, see Appendix C.

f. Shackleford Creek Adjudication, No. 13775, Siskiyou County Superior Court, April 3, 1950. For additional information concerning this adjudication, see Appendix C.

g. Shasta River Adjudication, No. 7035, Siskiyou County Superior Court, December 30, 1932. For additional information concerning this adjudication, see Appendix C.

h. Reported amount to be diverted between March 1 and November 1.

j. Reported amount to be diverted between November 1 and March 1.

k. Reported amount to be diverted between April 1 and October 1.

m. Reported amount to be diverted between October 1 and April 1.

n. Partial record during 1958.

p. Sugar Creek Adjudication, Civil Case No. 2719, Siskiyou County Superior Court, June 20, 1906. For additional information concerning this adjudication, see Appendix C.

q. Sugar Creek Adjudication, Civil Case No. 5904, Siskiyou County Superior Court, September 23, 1926. For additional information concerning this adjudication, see Appendix C.

r. Owners are listed in Table 7, Index to Surface Water Diversions.

s. Siskiyou County records.

t. Water Rights of Siskiyou County.

Records of Surface Water Diversions

Periodic or continuous measurements of surface water diversions were made during 1958, wherever it was feasible, to measure the flows. Results of these measurements are reported in Table 6 and are summarized below. Substantially, all diversion measurements were started by April 1958, prior to the commencement of intensive irrigation, and continued to obtain a complete season's record. The measurements were classed as estimates when data were incomplete or uncertain. If diversions were located late in the survey so that measurements could not be made during part of the season, this is also indicated in the table. When feasible, measurements of each diversion were made at a location above the area of first use and as close to the diversion intake as possible, but below any regulatory spill. Those exceptions where spill occurred below the point of measurement, are noted in the table.

Diverted quantities were determined primarily by measurement of open channel flow and testing of pumps. Periodic current meter measurements of open channel flow were made during the diversion season to obtain channel ratings. The water stage was recorded either by weekly observations of a staff gage or with a continuous recorder, from which quantities of flow were calculated. Existing Parshall flumes or weirs were used whenever available. Pumps were similarly rated and quantities of flow calculated from operation or power records.

In Table 6 the superscript "e" indicates that atleast 10 days' record within the month was estimated. If insufficient data were available to report monthly values, but an estimate was made for the total period, this is indicated as "-----**-----". If no record was available on which to make an estimate, this is indicated as "-----NR-----". When the diversion for a given period is known to have been zero, it is so indicated. Notations regarding extent of irrigation period indicate the overall period of irrigation, but not necessarily that daily or continuous irrigation was practiced throughout the period. Notations that a stream source was "dry" at a certain time indicate that the source was essentially dry, and that streamflow was so low as to make diversion infeasible.

The total amount of water measured during 1958 was 282,200 acre-feet, diverted for all purposes, as shown in Table 6. As noted on page 24, measurements are quantities of water diverted and include canal losses as well as water applied directly to the irrigated lands.

TABLE 6

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
					BALL MOUNTAIN SUBUNIT												
					[illegible] diversions [illegible]												
					CALLAHAN SUBUNIT												
[illegible]	[illegible]	[illegible]	[illegible] feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	603	[illegible]	44[illegible]	[illegible]		2,003[a]	
40N/8W-20R1	[illegible]	Domestic, irrigation, domestic, stock-watering	[illegible] feet below intake	Staff gage and depth-flow relationship	0		0	[illegible]	120[e]	35	50	110	135	196	61	[illegible]	747	
[illegible]	[illegible]	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	----------[e]----------			3	1,860	1,813	1,670	2,053	1,39[illegible]	1,1[illegible]	609	628	12,790	[a] Includes an estimated 1,580 acre-feet for January thru March.
					(587)	(301)	(694)	(1,756)	(2,816)	(2,446)	(1,758)	(715)	(754)	(817)	(627)	([illegible])	([illegible])	[illegible] records [illegible] parenthesis.
41N/[illegible]-1J1	Glenn Barnes D. H. LaFevers	Irrigation	[illegible] feet below intake	Staff gage and depth-flow relationship	0	0	0	0	220[e]	167	183	176	143	171	50	69	1,179[a]	
[illegible]	C. W. Birdwell	Irrigation, stock-watering	40 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	150[e]	141	148	72	37	134	[illegible]	0	771	
[illegible]	C. W. Birdwell	Irrigation	--	Estimated	0	0	0	[illegible]	0	0	----[e]----		[illegible]	[illegible]	[illegible]	[illegible]	100	
41N/4W-2b1	Scott Valley Irrigation District	Irrigation	200 feet below intake	Water-stage recorder and depth-flow relationship	----------NR----------			0	1,320	868	2,380	[illegible]	1,[illegible]	708	[illegible]	[illegible]	9,116[a,e]	[illegible] total [illegible] 1,440 acre-feet [illegible] [illegible] feet above point of measurement between May and September.
					(135)	(106)	(126)	----------	----------	----------	----NR----	----------	----------	----------	----------	----------	(467)	[illegible] records in parenthesis.
41N/4W-9L1	J. T. [illegible]	Irrigation, stock-watering	[illegible] mile below intake	Staff gage and depth-flow relationship	0	[illegible]	[illegible]	[illegible]	[illegible]	14[illegible]	[illegible]	67	33	[illegible]	[illegible]	[illegible]	706[e]	
41N/4W-10G1	C. A. Ball	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	0	[illegible]	80[e]	80[e]	38	31	19	19	[illegible]	[illegible]	842	
41N/4W-13M1	C. A. Ball M. E. Richman	Irrigation, stock-watering	40 feet below intake	Staff gage and depth-flow relationship	0	[illegible]		0	[illegible]	1	299	63	45	13[illegible]	94	[illegible]	661	
41N/4W-15A1	C. A. Ball V. Berthelsen	Irrigation, stock-watering	60 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	0	[illegible][e]	67	108	43	9	2	[illegible]	[illegible]	329	

* See remarks
e Monthly value estimated
--e e-- Diversion estimated for period indicated
--NR-- No record for period indicated

e - Due to length of ditch, losses of unknown extent occurred below point of measurement.

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
					CALLAHAN SUBUNIT (Continued)													
[illegible] & R																		
41N/9W-15[illegible]	H. Green	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	0	0	---------NR-------			189	157	204	150[e]	800	
41N/9W-15[illegible]1	C. A. Ball R. [illegible] Hickman H. Green	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	370[e]	360[e]	331	196	122	124	80	80[e]	1,713[a]	
41N/9W-[illegible]1N1	North Fork Ditch	Irrigation, stock-watering	0.2 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	317	300	372	168	93	131	63	48	1,492[a]	
41N/9W-[illegible]	John H. and Eleanor Mason	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	380[e]	207	125	17	0		0	0	729	
41N/9W-[illegible]	[illegible]r A. and Eileen R. L[illegible]ax	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	5	29	71	[illegible]	0	0	0	0	105	
41N/9W-[illegible]	Elsie E. and William H. Cory	Irrigation	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	100[e]	40	63	28	0	14	[illegible]		245	
41N/9W-[illegible]5F[illegible]	[illegible]an Barnes H. A. Fisher D. H. [illegible]arevers Wolf [illegible] Brothers	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	0	120[e]	95	218	232	270	434	516	520[e]	2,405[a]	
41N/9W-28[illegible]1	Elsie E. and William H. Cory John H. and Eleanor Mason H. Green	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	0	210[e]	190[e]	223	164	159	189	22[illegible]	199	1,567[a]	
41N/9W-28C1	Henry and May Aker	Irrigation, domestic	4[illegible] feet below intake	Staff gage and depth-flow relationship	0	[illegible]		0	0	4	4	5	6	0	0	0	19	
41N/9W-34[illegible]1	Robert L. and Louise Lewis	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	0	0	--------NR--------			40	46	[illegible]	33	159	
					DWINNELL RESERVOIR SUBUNIT													
42N/[illegible]W-1[illegible]F[illegible]	[illegible] Mills	Irrigation	30 feet below intake	Staff gage and depth-flow relationship		[illegible]	0	3	25	84	35	76	85	85	[illegible]	[illegible]	393	
4[illegible]N/5W-1[illegible]M1	Haybelle [illegible] Mills	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	[illegible]	0	18	69	41	101	8	64	139	220	[illegible]	0	660	

* See remarks
e Monthly value estimated
** Diversion estimated for period indicated
--NR No record for period indicated

a - Due to length of ditch, losses of unknown extent occurred below point of measurement.

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
					DWINNELL RESERVOIR SUBUNIT (Continued)													
[illegible]	Maybelle [illegible] Mills	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	[illegible]	0	95	148	1[illegible]	16[illegible]	[illegible]	[illegible]	[illegible]	42[illegible]	
[illegible]	Maybelle [illegible] Mills	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	750	991	698	30[illegible]	464	2[illegible]	[illegible]	[illegible]	3,4[illegible]6	
[illegible]	Maybelle B. Mills	Irrigation, stock-watering	0.3 mile below intake	Staff gage and depth-flow relationship	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	286	4[illegible]	506	272		[illegible]	[illegible],38[illegible]	
[illegible]	Maybelle [illegible] Mills	Irrigation, stock-watering	10[illegible] feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	0	35	38	53	4[illegible]	3[illegible]	39	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	Irrigation, stock-watering	1[illegible] feet below intake	Estimated		[illegible]	[illegible]	0	-----	-----	-----	**	-----	-----	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	Irrigation, stock-watering	[illegible] mile below intake	Staff gage and depth-flow relationship		[illegible]	[illegible]	0	1[illegible]2	2[illegible]	[illegible]	55	45	[illegible]		[illegible]	6[illegible]6	
[illegible]	[illegible] Louie	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	---	NR	---	1,153	761	[illegible]	956	9[illegible]	[illegible],[illegible]	[illegible],[illegible]56	[illegible],[illegible]	[illegible]6	8,810[e]	
[illegible]	[illegible]	Irrigation	At intake	Estimated		[illegible]	[illegible]	[illegible]	---	**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible] Louie	Irrigation	At intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	260	1[illegible]	114	89	[illegible]	57	[illegible]	171		[illegible]	
[illegible]	[illegible] Taylor	Irrigation	At pump	Pump test and power records	[illegible]	[illegible]	[illegible]	127	233	35[illegible]	291	407	300	[illegible]	[illegible]	[illegible]	[illegible],[illegible]79	
[illegible]	[illegible] Springs Irrigation District	Irrigation	(a)	(a)	0	[illegible]	[illegible]	[illegible]	[illegible],[illegible]	1,077	[illegible]	[illegible],578	[illegible]	0	[illegible]	[illegible]	6,[illegible]59	Record obtained from watermaster service
[illegible]	[illegible]	Irrigation, stock-watering	At pump	Pump test and power records	[illegible]	[illegible]	[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
[illegible]	[illegible] Louie	Irrigation	At intake	Estimated	[illegible]		[illegible]	-----	-----	-----	**	-----	-----		[illegible]		[illegible]0	
[illegible]	[illegible] Louie	Irrigation	At intake	Estimated	0	[illegible]	[illegible]	-----	-----	-----	**	-----	-----	[illegible]	[illegible]	[illegible]	[illegible]0	

* See remarks
e Monthly value estimated
** Diversion estimated for period indicated
NR No record for period indicated

a - Due to length of ditch, losses of unknown extent occurred below point of measurement.

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				DWINNELL RESERVOIR SUBUNIT (Continued)														
M O B & M																		
43N/5W-9G3	Ellis J. Louie	Irrigation	At intake	Estimated	0	0	0	----------**----------						0	0	0	410	
43N/5W-9R1	Ellis J. Louie	Irrigation	At intake	Estimated	0	0	0	----------**----------						0	[illegible]	0	530	
43N/5W-10Q1	Ellis J. Louie	Irrigation	At intake	Estimated	0	0	0	0	0	0	---**------		0	0	0	0	260	
43N/5W-25L1	Dwinnell Reservoir	Irrigation	(*)	(*)	0	0	0	424	3,182	1,824	3,594	3,271	1,293	0	0	0	13,588	*record obtained from Watermaster Service.
43N/5W-25M1	Marvin L. and Inez M. Miller	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	----------NR----------									67	62	62	191	
44N/4W-16R1	Aubrey J. Nunes	Irrigation, stock-watering	At intake	Staff gage and depth-flow relationship	0	0	15	24	23	21	23	21	21	18	0	0	166	
44N/4W-28A1	Aubrey J. Nunes	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	10e	9	9	9	9	6	1	0	0	53	
44N/4W-28M1	Donald and J. Coonrod	Irrigation	At intake	Staff gage and depth-flow relationship	---**------		130e	129	129	132	150	145	139	154	140	147	1,635	
44N/5W-20J1	Cloak Lake	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	13	25	13	7	5	6	7	76	
44N/5W-20P1	Charles T. and Ellen B. Drummond	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	90e	52	150	168	163	62	111	111	0	162	1,069	
44N/5W-29C1	Salt Lake	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	120e	145	107	61	59	135	3		34	[illegible]	664	
				EAST FORK SUBUNIT														
43N/7W-7D1	A. E. Richardson	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	0	1	4	0	0	0	[illegible]	5	
43N/7W-7L1	Charles L. Rich	Irrigation, stock-watering	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	50e	60e	299	172	103	106	40	0	830	

* See remarks
e Monthly value estimated
--e-- Diversion estimated for period indicated
- NR - No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				EAST FORK SUBUNIT (Continued)														
M D B & M																		
40N/7W-7L2	Laurence Franklin	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	287	141	235	160	68	48	0	0	939	
40N/7W-8H1	Charles L. Rich	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	90e	140e	80	67	53	88	130	124	772	
40N/7W-18E1	Laurence Franklin	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	107	101	109	121	99	80e	0	0	617	
40N/7W-20A1	Laurence Franklin	Irrigation, stock-watering	1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	80	74	96	67	48	49	57	0	471	
40N/8W-2Q1	Nerva M. Hayden	Irrigation, stock-watering	250 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	30e	50	28	16*	15*	8	13	20	180	Flume washed out 8/15 - 9/3.
40N/8W-13L1	Frank J. Hayden	Irrigation, stock-watering	0.7 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	110e	47	54	42	55	92	90	85	565	
40N/8W-15R1	Nerva M. Hayden Hazel Owens	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	686e	278	174	281	212	222	135	60	2,048	
40N/8W-22F1	Rodney Hamilton	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	30e	11	6	1	6	8	1	0	53	
40N/8W-22L1	Rodney Hamilton	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	50e	32	17	3	11	22	5	0	140	
40N/8W-22L2	Rodney Hamilton	Irrigation, stock-watering	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	70e	44	51	17	41	55	6	0	289	
40N/8W-22P1	Rodney Hamilton	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	80e	31	7	1	1	0	0	0	120	
40N/8W-23B1	Frank J. Hayden	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	250e	155	166	200	265	224	113	124	1,497	
40N/8W-23D1	Frank J. Hayden	Irrigation, stock-watering, domestic	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	160e	57	59	74	53	81	87	63	634	
40N/8W-35E1	Rodney Hamilton	Irrigation	25 feet below intake	Estimated	0	0	0	0	0	0	0	0	----------**			0	170	

* See remarks
e Monthly value estimated
---e e--- Diversion estimated for period indicated
--NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
EAST FORK SUBUNIT (Continued)																		
[illegible]	[illegible]	[illegible]	[illegible]	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	9	[illegible]	[illegible]	14	10	[illegible]*	Total includes an estimated 20 acre-feet spilled below point of measurement.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	
[illegible]	[illegible]	Irrigation, stock-watering	[illegible]	Estimated	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	290	
[illegible]	[illegible]	Irrigation	[illegible]	Estimated	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	
[illegible]	[illegible]	Irrigation	60 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	27	[illegible]	[illegible]	0	[illegible]	[illegible]	60	
[illegible]	[illegible]	Irrigation, stock-watering	[illegible]	Estimated	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	10	
[illegible]	[illegible]	Irrigation, stock-watering	[illegible] below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	10	
[illegible]	[illegible]	Irrigation, stock-watering	-	Estimated	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	130	
[illegible]	[illegible]	Irrigation, stock-watering, domestic	12 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	69	75	127	160	144	0	60	40	722	
[illegible]	[illegible]	Irrigation, stock-watering	40 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	49	[illegible]	131	76	58	46	[illegible]	1	371	
EDDY CREEK SUBUNIT																		
[illegible]	[illegible]	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50	
[illegible]	[illegible]	Irrigation	3 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	39	149	109	85	121	31	0	[illegible]	0	574	

* See remarks
e Monthly value estimated
- - - e - - - Diversion estimated for period indicated
- - - NR - - - No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
EDDY CREEK SUBUNIT (Continued)																		
M D B & M																		
41[illegible]-28M1	Stuart Hammond	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	5	92	32	24	17	0	0	170	
41N [illegible]-33B1	Stuart Hammond	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	440e	580	203	144	68	[illegible]	[illegible]	[illegible]	1,435	
41N [illegible]-33B2	Stuart Hammond	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	60e	99	80	57	55	0	[illegible]	[illegible]	351	
41N [illegible]-33C	Stuart Hammond	Irrigation	50 feet below intake	Estimated	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	960	
41N/5W-34L1 (Import from Shasta Lake Hydrographic Unit)	North Fork Ditch	Irrigation	10 feet below spill	Staff gage and depth-flow relationship	0	0	0	45	297	370e	435	253	114	1	0	0	1,515	
ETNA SUBUNIT																		
42N/7W-4R1	L. H. Vincent	Irrigation, stock-watering	25 feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	137	97	39	14	23	23	18	349	
42N/7W-7F1	Leland Young	Irrigation, stock-watering	0.7 mile below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	390e	168	141	65	59	130	[illegible]	1,[illegible]	
42N/7W-7J1	Leland Young	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	646	301	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	947	Source dry 7/7/58.
42N/7W-8K1	Frank Simmons Leland Young	Irrigation, stock-watering	400 feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	203	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	227	Source dry [illegible]
42N/7W-9J1	L. H. Vincent	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	64	[illegible]	[illegible]	[illegible]	16	[illegible]	62	225	
42N/7W-16Q1	Ernest Bigham	Irrigation	75 feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
42N/7W-17H2	Ernest Bigham	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	3	[illegible]	49	41	[illegible]	[illegible]	[illegible]	[illegible]	134	
42N/7W-17H3	Margaret Bigham	Irrigation, stock-watering	[illegible] feet below intake	Staff gage and depth-flow relationship	----------	----------	NR	----------	----------	14	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

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- NR No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				ETNA SUBUNIT (Continued)														
T. 41 N., R. 9 W., M. D. B. & M.																		
41N/9W-22R1	Warner Brothers	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	----------NR----------				350[e]	228	123	0	0	0	0	0	701	
41N/9W-26L1	F. Douglas Horn	Irrigation, stock-watering	At pump	Pump test and hours of operation	0	0	0	0	0	0	0	2	1	1	0	0	4	
41N/9W-27K1	F. Douglas Horn	Irrigation, stock-watering, domestic	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	20[e]	30	0	0	0	0	0	0	50	Source dry 8/14/58.
41N/9W-28J1	Warner Brothers	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	----------NR----------				230[e]	231	175	0	0	0	113	170	919	
41N/9W-29P1	W. C. Hannaday	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	----------NR----------				370[e]	145	1	0	0	0	0	0	516	Source dry 9/8/58.
41N/9W-29Q1	Carl Hammond	Irrigation, stock-watering, domestic	100 feet below intake	Staff gage and depth-flow relationship	----------NR----------				108	129	91	86	52	38	44	59	607	
41N/9W-29R1	J. H. McNames	Irrigation, stock-watering	200 feet above intake of 8-inch pipeline	Staff gage and depth-flow relationship	----------NR----------					8	26	1	0	15	17	16	83	
41N/9W-30R1	Etna Mill Ditch	Irrigation, stock-watering	0.1 mile below intake	Staff gage and depth-flow relationship	----------NR----------				760[e]	457	582	424	294	125	217	132	2,991	
41N/9W-33B1	Kenneth Dewey	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	----------NR----------				100[e]	52	16	0	0	0	25	21	214	
41N/9W-34A1	Thomas V. Ruffle	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	----------NR----------				228	178	0	0	0	0	0	0	406	Source dry 7/10/58.
41N/9W-34R1	Stanley M. Frriden	Irrigation, stock-watering	0.5 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	110[e]	174	9	0	0	0	4	0	297	Source dry 7/10/58.
41N/9W-[illegible]	John F. Warner	Irrigation, stock-watering	At pump	Pump test and hours of operation	0	0	0	0	0	----------**				----------	0	0	210	
41N/9W-[illegible]	Parker Ditch	Irrigation, stock-watering, power	700 feet below intake	Water-stage recorder and depth-flow relationship	--------NR--------			0	730[e]	792	693	328	199	191	253	280	3,466	
					(46)	(237)	(198)	----------					NR				(481)	1959 records in parenthesis.
43N/10W-6L1	W. H. Smith	Irrigation	At intake	Staff gage and depth-flow relationship	----------NR----------				30[e]	21	14	8	9	10	5	0	97	

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e Monthly value estimated
** Diversion estimated for period indicated
- NR No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				ETNA SUBUNIT (Continued)														
M D B & M																		
43N/13W-36M1	Wright and Fletcher Ditch	Irrigation	150 feet below intake	Water-stage recorder and depth-flow relationship	---------NR------			0	3,430	1,790	1,400	92	55	60	166	162	7,155	
					(68)	(8)	(146)	----------	----------	----------	----------	NR	----------	----------	----------	----------	(222)	1959 records in parenthesis.
				GRASS LAKE SUBUNIT														
				No diversions measured.														
				GRENADA SUBUNIT														
42N/6W-2P1	Edson L. Foulke	Irrigation, stock-watering	0.1 mile below intake	Estimated	----------	----------	----------	**	----------	----------	----------	0	0	0	0	0	230	
42N/6W-2P2	Edson L. Foulke	Irrigation, stock-watering	0.1 mile below intake	Staff gage and depth-flow relationship	----------	----------	**	160[e]	61	8	0	0	0	0	0	0	719	
42N/6W-3H1	Edson L. Foulke	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	234	326	201	177	164	95	81	32	0	1,310	
42N/6W-3R1	Fred Carpenter	Irrigation	--	Estimated	0	0	0	0	----------	----------	**	----------	----------	0	0	0	50	
42N/6W-9Q1	Dan Shelley	Irrigation	350 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	16	3	10	24	21	6	0	0	80	
42N/6W-9R1	Dan Shelley	Irrigation	--	Estimated	0	0	0	0	----------	**	----------	0	0	0	0	0	0	40
42N/6W-10L1	G. G. Maxwell	Irrigation	--	Estimated	0	0	0	0	----------	**	----------	0	0	0	0	0	0	80
42N/6W-16C1	Dan Shelley	Irrigation	--	Estimated	0	0	0	0	120[e]	0	0	0	0	0	0	0	120	
43N/5W-6Q1	Grenada Irrigation District	Irrigation	0.5 mile below intake	Water-stage recorder and depth-flow relationship	0	0	0	429	1,053	507	1,833	1,727	719	0	0	0	6,268	

a See remarks
e Monthly value estimated
--e-- Diversion estimated for period indicated
--NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
GRENADA SUBUNIT (Continued)																		
M D B & M																		
43N/5W-6D2	Huesman Ditch	Irrigation	200 feet below intake	Water-stage recorder and depth-flow relationship	----------NR----------			304	1,340	1,670	1,940	1,410	1,160	1,120	0	133	9,077	
					(142)	(162)	(802)	----------	----------	----------	----------	NR	----------	----------	----------	----------	(1,106)	1959 records in parenthesis.
43N/6W-2L1	Samuel Brulnama	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	89	159	90	0	0	0	0	0	0	338	
43N/6W-11B1	Samuel Brulnama	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	66	111	67	0	0	0	0	0	244	
43N/6W-11G1	Samuel Brulnama	(a)	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	91	175	165	3	0	0	0	0	0	434	Purpose of diversion in year of survey was leeching an alkali field.
43N/6W-14N1	J. L. Price	Irrigation	--	Estimated	0	0	0	0	0	0	----------	**	----------	0	0	0	20	
43N/6W-22R1	J. L. Price	Irrigation	--	Estimated	0	0	0	0	----------	----------	**	----------	----------	0	0	0	40	
43N/6W-23N1	J. L. Price	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	50	213	147	39	41	54	0	0	544	
43N/6W-26C1	J. L. Price	Irrigation	250 feet below intake	Staff gage and depth-flow relationship	0	0	0	16	129	52	135	108	7	0	0	0	447	
43N/6W-34R1	Edson L. Foulke	Irrigation	200 feet below intake	Water-stage recorder and depth-flow relationship	0	0	0	0	14	13	9	7	0	0	1	0	44	
44N/6W-3R1	John L. Doren	Irrigation	--	Power records	0	0	0	0	162	115	167	231	151	9	0	0	835	
44N/6W-10A1	Millard and Merl Freeman	Irrigation	--	Power records	0	0	0	18	4	0	16	6	3	0	0	0	47	
44N/6W-11L1	John L. Doren	Irrigation, stock-watering	0.6 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	37	13	48	e	0	0	0	0	99	
44N/6W-14A1	Roland Ekstrom	Irrigation	--	Power records	0	0	0	6	11	18	13	0	)	0	0	0	48	
44N/6W-20R1	Sarah Orr	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	36	63	32	1	0	0	0	0	0	0	132	

a See remarks
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---e e--- Diversion estimated for period indicated
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TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				GRENADA SUBUNIT (Continued)														
[illegible]																		
44N/6W-[illegible] A1	[illegible] Julien	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	17	2	0	10[e]	16	4	0	0	0	49	
44N/6W-[illegible] A2	[illegible] Julien	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	133	250	166	107	82	86	41	0	865	
44N/6W-[illegible]C1	[illegible] H. Julien	Irrigation	200 feet below intake	Estimated	0	[illegible]	0	0	----**----		0	0	0	0	0	0	30	
44N/6W-[illegible]	[illegible] Julien	Irrigation	75 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	13	32	21	27	17	12	11	0	133	
44N/6W-25F1	Jerald Jenkins	Irrigation	0.5 mile below intake	Water-stage recorder and depth-flow relationship	----NR----		30[e]	130[e]	358	327	449	617	44	426	0	121	2,502	
					(128)	(0)	----------NR----------										(128)	1959 records in parenthesis.
44N/6W-[illegible]	Samuel Bruinsma	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	3	35	115	120	97	83	118	129	104	804	
44N/6W-29B1	Sarah Orr	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	15	23	13	0	0	0	0	0	0	0	51	
44N/6W-29[illegible]	William J. Gallarda	Irrigation, stock-watering	--	Estimated	0	0	0	**	0	**	0	0	0	0	0	0	10	
[illegible]/6W-[illegible]M1	William J. Gallarda	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	20[e]	19	22	17	37	35	29	28	27	26	260	
44N/6W-3[illegible]	William J. Gallarda	Irrigation, stock-watering	50 feet below intake	Estimated	0	0	0	----**-----		0	0	0	0	0	0	0	10	
44N/6W-[illegible]C1	William J. Gallarda	Irrigation, stock-watering	75 feet below intake	Estimated	[illegible]	0	[illegible]	----------**----------				0	0	0	0	0	40	
44N/6W-[illegible]D1	William J. Gallarda	Irrigation, stock-watering	200 feet below intake	Estimated	0	[illegible]	0	0	--------**------			0	0	0	0	0	20	
44N/6W-31D1	W. E. Wanaka	Irrigation	75 feet below intake	Staff gage and depth-flow relationship	0	0	0	37	28	17	19	3	0	0	0	0	104	
44N/6W-35[illegible]	Samuel Bruinsma	Irrigation	—	Staff gage and depth-flow relationship	0	0	76	147	169	99	147	141	90	32	52	34	987	

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TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
KODER CREEK SUBUNIT																		
M D B & M					(No diversions measured)													
LITTLE SHASTA SUBUNIT																		
44N/6W-3M1	Donald E. and Illene D. Watson	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	0	[illegible]	0	0	8	8	39	22	5	0	0	0	82	
44N/6W-3N1	Shasta River Water Users Association	Irrigation	At pump	Pump test and power records	0	0	0	1,343	2,480	1,674	2,496	2,496	1,663	489	0	0	12,641	
44N/6W-4N2	Donald E. and Illene D. Watson	Irrigation, stock-watering	0.2 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	4	31	20	34	[illegible]	0	0	0	89	
44N/6W-4J1	John L. Doren	Irrigation	--	Staff gage and depth-flow relationship	0	0	0	3	2	0	9	9	2	0	0	0	25	
44N/6W-4R1	John L. Doren	Irrigation	--	Staff gage and depth-flow relationship	[illegible]	0	0	0	4	0	9	5	0	0	0	0	18	
45N/4W-16B1	Harp Ditch	Irrigation, stock-watering	(*)	(*)	0	0	----------NR----------				70	52	54	NR	0	0	176	Record obtained from Watermaster Service.
45N/4W-19L1	Alfred C. and Viola A. Edmonds	Irrigation	At intake	Staff gage and depth-flow relationship	---NR----		15	21	28	38	40	38	28	35	25	64	332	
					(113)	(60)	----------				-NR-						(173)	1959 records in parentheals.
45N/4W-19L2	Soule and Terwilliger Ditch	Irrigation, stock-watering	(*)	(*)	----------NR----------						168	142	163	---------NR-------			473	Record obtained from watermaster Service.
45N/4W-20B1	Haight, Deter and Kegg Ditch	Irrigation, stock-watering, recreation	2 miles below intake	Staff gage and depth-flow relationship	0	0	0	0	340	464	409	371	312	97	0	0	1,993	
45N/5W-25C1	Babcock, Martin and Soule Ditch	Irrigation, stock-watering	(*)	(*)	----------NR----------						246	161	131	---------NR-------			538	Record obtained from watermaster Service.
45N/5W-25B2	Musgrave and Linton Ditch	Irrigation, stock-watering, domestic	(*)	(*)	----------NR----------						390	397	366	---------NR-------			1,153	Record obtained from watermaster Service.
45N/5W-25B1	Gladys I. Hart & L. Reynolds	Irrigation	(*)	(*)	----------NR----------						448	[illegible]	434	---------NR-------			1,168	Record obtained from watermaster Service.

* See remarks
e Monthly value estimated
---*--- Diversion estimated for period indicated
--NR No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				LITTLE SHASTA SUBUNIT (Continued)														
M D B & M																		
45N/5W-30J1	Donald E. and Illene D. Watson	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	82	97	82	0	0	0	0	61	120	144	586	
45N/5W-32H1	Earl B. and Mildred O. Flock	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	489	808	920	301	184	0	29	374	601	519	4,224	
45N/6W-3E1	G. Roland	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	----------NR----------				23	19	20	23	28	23	16	15	167	
45N/6W-7G1	F. A. and Joy H. Roberts	Irrigation, stock-watering	At pump	Pump test and power records	0	0	0	0	51	42	64	45	32	0	0	0	234	
45N/6W-18H1	Henry Flock	Irrigation	--	Estimated	0	0	0	0	0	0	--------**--------			0	0	0	60	
45N/6W-20A1	Henry Flock	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	30[e]	160	192	208	170	81	67	84	85	1,077	
45N/6W-20Q1	Henry Flock Earl B. and Mildred O. Flock	Irrigation	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	100[e]	684	435	533	307	394	487	267	0	3,207	
45N/6W-20Q2	Antonio Ditch	Irrigation, stock-watering	300 feet below intake	Water-stage recorder and depth-flow relationship	0	0	428	407	521	656	680	696	711	673	835	518	6,126	
45N/6W-21F1	Earl B. and Mildred O. Flock	Irrigation, stock-watering	120 feet below intake	Staff gage and depth-flow relationship	0	0	0	140[e]	173	65	118	156	36	11	25	24	748	
45N/6W-22C1	Donald L. Maamber Morris L. Prather	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	0	49	42	0	0	0	0	91	
45N/6W-25L1	Simon Koppes	Irrigation, stock-watering	1.5 miles below intake	Staff gage and depth-flow relationship	0	0	42	66	74	71	73	60	36	0	0	0	422	
45N/6W-28Q1	Earl B. and Mildred O. Flock	Irrigation, stock-watering	0.2 mile below intake	Staff gage and depth-flow relationship	0	0	11	73	64	23	29	51	33	40	42	29	395	
45N/6W-29M1	Mary Lemos	Irrigation	At intake	Estimated	0	0	0	0	0	----------**----------					0	0	340	
45N/6W-29M2	Mary Lemos	Irrigation	At pump	Pump test and power records	0	0	0	0	15	3	17	17	6	0	0	0	58	

b See remarks
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TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
LITTLE SHASTA SUBUNIT (Continued)																		
M D B & M																		
45N/6W-33A1	Morris L. Prather	Irrigation, stock-watering	—	Estimated	0	0	0	0	----------**				----------	0	0	0	40	
45N/6W-33K1	George Flock	Irrigation, stock-watering	400 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	10[e]	8	9	9	7	0	0	0	43	
45N/6W-34D1	Morris L. Prather	Irrigation, stock-watering	At intake	Estimated	0	0	0	0	----------**				----------	0	0	0	60	
LOWER SCOTT VALLEY SUBUNIT																		
43N/9W-3H1	Scott Valley Irrigation District	Irrigation	At pump	Pump test and power records	0	0	0	0	788	402	1,105	1,136	550	0	0	0	3,981	
43N/9W-3H2	Star Ranch, Inc.	Irrigation	At pump	Pump test and power records	0	0	0	0	76	303	471	498	126	0	0	0	1,474	
43N/10W-22J1	Freitas Ditch	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	65	104	10	226	242	137	0	0	784	
43N/10W-9H1	Con and Dennis Mulloy	Irrigation	0.3 mile below intake	Water-stage recorder and depth-flow relationship	--------NR--------			2	215	336	315	116	0	0	17	62	1,063	
					(58)	(16)	(32)	----------					NR	----------			(106)	1959 records in parenthesis.
43N/10W-9K1	Weed Ditch	Irrigation	0.8 mile below intake	Water-stage recorder and depth-flow relationship	0	0	0	0	471	546	677	517	376	317	55	0	2,960	
43N/10W-10E1	Camp Ditch	Irrigation, stock-watering, domestic	0.1 mile below intake	Water-stage recorder and depth-flow relationship	--------NR--------			154	346	355	258	149	103	108	162	297	1,932	
					(187)	(156)	(136)	----------					NR	----------			(479)	1959 records in parenthesis.
43N/10W-10F1	Donald Hahn	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	177	100	88	0	0	0	47	27	439	
43N/10W-10J1	Dennis Mulloy	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	----------NR----------				204	22	355	0	0	0	51	0	632	
43N/10W-11C1	Josephine Dangle, et al	Irrigation	75 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	20	64	1	0	0	43	32	160	

* See remarks
e Monthly value estimated
** Diversion estimated for period indicated
NR No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
LOWER SCOTT VALLEY SUBUNIT (Continued)																	
B & M																	
43N/10W-11K1	Josephine Dangle, et al	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	[illegible]	[illegible]	[illegible]	[illegible]	20e	195	87	48	23	19	14	[illegible]	446
43N/10W-11L1	Josephine Dangle, et al	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	[illegible]	0	0	0	0	40	102	97	89	45	55	79	507
43N/10W-14J1	John Pereira	Irrigation	0.2 mile below intake	Staff gage and depth-flow relationship	----------NR----------				20e	65	114	92	36	25	25	28	405
43N/10W-22P1	Gene Selby	Irrigation	0.3 mile below intake	Water-stage recorder and depth-flow relationship	----------NR----------				343	296	239	175	100	91	154	202	1,600
					(391)	(134)	----------NR----------										(525) 1959 records in parenthesis.
44N/9W-22G1	Wilbert and Grace Hullquist Roy E. Mason	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	19	34	22	1	0	0	0	0	76
44N/9W-22N1	John Crechriou	Irrigation	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	127	65	98	30	12	12	0	0	344
44N/9W-28H1	Aron Fincher	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	48	13	31	20	0	0	0	0	112
44N/9W-31C1	C. W. Birdwell	Irrigation	At pump	Pump test and hours of operation	0	0	0	0	15	24	30	23	17	0	0	0	109
44N/9W-31D1	C. W. Birdwell	Irrigation	At pump	Pump test and power records	0	0	0	0	0	0	31	33	0	0	0	0	64
44N/10W-21J1	James Lumatlick	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	40e	14	31	7	11	8	0	0	111
44N/10W-22R1	Warren Lytle Travis Smith	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	26	18	11	5	5	4	4	0	73
44N/10W-24B1	George Lilly	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	28	21	15	9	4	9	8	0	94
44N/10W-25C1	Merle Bruce	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	24	33	42	32	0	0	0	133
44N/10W-25F1	Merle Bruce Tozier Brothers	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	305	224	196	155	93	0	0	0	973

▸ See remarks
e Monthly value estimated
--e e-- Diversion estimated for period indicated
-NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				LOWER SCOTT VALLEY SUBUNIT (Continued)														
44N/ [illegible] 26N1	Casey Pearson	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	[illegible]	0	0	0	0	18	102	73	0	0	0	0	193	
44N/ [illegible] 27H	Warren Lytle Travis Smith	Irrigation	At pump	Estimated	0	0	0	0	0	0	----e----		0	0	0	0	10	
44N/1W-27L1	Casey Pearson	Irrigation	At pump	Pump test and hours of operation	0	0	0	0	7	8	10	8	8	3	0	0	44	
44N/1W-27P1	Casey Pearson	Irrigation, domestic	At intake	Staff gage and depth-flow relationship	0	0	0	0	22	13	15	19	9	0	0	0	78	
44N/1W-34A1	Ed Burton Casey Pearson	Irrigation	250 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	100	69	59	55	17	16	18	20	356	
44N/1W-35C1	Burnell Burton	Irrigation	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	0	0	138	181	196	108	0	623	
44N/1W-35F1	Tozier Brothers	Irrigation	70 feet below intake	Staff gage and depth-flow relationship	----------NR----------				78	12	182	85	342	114	0	0	813	
44N/1W-35J1	Henry Chester Tozier Brothers	Irrigation	350 feet below intake	Staff gage and depth-flow relationship	----------NR----------				119	167	441	526	398	87	0	0	1,740	
44N/1W-35Q2	Burnell Burton Ed Burton Casey Pearson	Irrigation	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	6	95	258	121	9	43	0	0	529	
				McADAM CREEK SUBUNIT														
44N/ [illegible] 1	W. T. Davidson Star Ranch, Inc.	Irrigation	300 feet below intake	Water-stage recorder and depth-flow relationship	[illegible]	0	0	0	782	646	256	35	0	0	0	0	1,719	
44N/ [illegible]	William Barra	Irrigation	75 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	17	8	4		0	0	0	0	29	
44N/ [illegible]	[illegible] Olney [illegible]	Irrigation	300 feet below intake	Staff gage and depth-flow relationship	----------NR----------				80	70	77	39	59	47	0	0	367	

a See remarks
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--e-- Diversion estimated for period indicated
NR No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
McADAM CREEK SUBUNIT (Continued)																		
M D B & M																		
44N/7W-13M1	George Kliney Estate	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	187	120	140	68	8	6	5	0	534	
44N/7W-13N1	Hugh W. Aierholt	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	----------NR----------				99	76	91	36	0	0	0	0	302	
44N/7W-24D1	Hugh W. Aierholt	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	119	83	31	0	0	0	0	0	233	
44N/7W-24P1	Jess L. Tibbs	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	237	115	25	3	0	0	0	0	380	
MOFFETT CREEK SUBUNIT																		
43N/7W-18G1	M. L., Harold L., Charles and Bonnie Cramer	Irrigation	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	43	51	50	15	0	0	0	0	159	
43N/7W-2K1	Fred Cramer	Irrigation	250 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	69	34	3	0	0	0	0	0	106	
43N/7W-12K1	M. L., Harold L., Charles and Bonnie Cramer	Irrigation, industrial	50 feet below intake	Staff gage and depth-flow relationship	----------NR----------				5	2	10	7	6	6	7	9	52	
43N/7W-13G1	M. L., Harold L., Charles and Bonnie Cramer	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	8	12	27	0	0	0	0	0	47	
43N/7W-13G2	M. L., Harold L., Charles and Bonnie Cramer	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	21	24	0	0	0	0	0	0	45	
44N/7W-36N1	Fred Cramer	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	64	20	9	6	0	0	0	0	99	

e See remarks
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TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				PARKS CREEK SUBUNIT														
M D B & M																		
41N/5W-6D1	Edson-Foulke Yreka Ditch Company	Irrigation, stock-watering	0.2 mile below intake	Staff gage and depth-flow relationship	0	0	0	468	2,360	1,176	632	236	76	63	141	237	5,389	
41N/6W-1A1	Isabella C. More	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	3	94	263	291	262	172	169	59	0	1,313	
42N/5W-18C2	Gus V. Nelson	Irrigation	—	Estimated	0	0	0	0	----**	----	0	0	0	0	0	0	40	
42N/5W-18L1	Gus V. Nelson	Irrigation, stock-watering	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	17	90	60	0	0	0	0	0	0	167	
42N/5W-18R1	Gus V. Nelson	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	42	62	14	0	0	0	0	0	0	118	
42N/5W-19A1	Gus V. Nelson	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	25	38	22	8	25	262	166	15	0	561	
42N/5W-19C1	Gus V. Nelson	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	--------**	--------		7	38	39	13	1	0	0	0	0	128	
42N/5W-19Q1	Harry Robertson	Irrigation, stock-watering	500 feet below intake	Staff gage and depth-flow relationship	--------**	--------		17	63	78	70	23	7	12	13	12	375	
42N/5W-20R1	Martin W. and Laura M. Little Gus V. Nelson	Irrigation, stock-watering	160 feet below intake	Staff gage and depth-flow relationship	0	0	0	60	235	135	102	119	177	112	57	0	996	
42N/5W-20N1	Harold A. and Minnie I. Lemos Martin W. and Laura M. Little	Irrigation, stock-watering	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	21	108	78	113	57	111	139	52	0	679	
42N/5W-29Q1	Harold A. and Minnie I. Lemos	Irrigation	0.1 mile below intake	Staff gage and depth-flow relationship	--------**	--------		97	262	103	74	69	69	31	48	40	973	
42N/5W-29R1	Montague Water Conservation District	Irrigation	—	Water-stage recorder and depth-flow relationship	1,846	1,404	0	0	0	0	0	0	0	0	0	0	3,250	Record obtained from Watermaster Service.
42N/5W-31R1	Isabella C. More	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	4	89	178	104	109	148	102	33	0	767	
42N/6W-24M1	Ernest Pridwell	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	--------**	--------		97	83	78	71	56	46	49	49	54	873	

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TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				SHACKLEFORD CREEK SUBUNIT														
				(No diversions measured)														
				SOUTH FORK SUBUNIT														
[illegible] [illegible]-7H1	Alfonso [illegible] [illegible]istaler	Irrigation	3.8 miles below intake	Staff gage and depth-flow relationship	0	0	0	0	70e	41	65	35	22	10e	10e	10e	263	
[illegible]	[illegible] Jorgen and [illegible]more Danielsen	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	230e	225	208	122	82	127	33	0	1,027	
[illegible]	[illegible]en Moore	Irrigation, stock-watering	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	——NR——		71	61	47	57	5	0	361	
[illegible]-3N1	[illegible] Sullivan	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	——NR——						252	166	181	148	77	53	1,427	
[illegible]	Dick [illegible]yden	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	180e	124	114	130	173	219	112	90e	1,142*	Reported total includes an estimated 48 acre-feet that was spilled during October and November below the point of measurement.
[illegible]	[illegible] K. [illegible]snyder	Irrigation, stock-watering	0.8 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	160e	118	93	94	46	108	58	5	682	
41N/[illegible]	[illegible] and Ruth [illegible] Proctor	Irrigation, stock-watering, domestic, power	400 feet below intake	Staff gage and depth-flow relationship	——NR——					110e	92	97	91	93	133	150	1,356	
41N/[illegible]	H. Jorgen and [illegible]more Danielsen	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	10e	8	14	3	0	0	0	0	35	
				STEWART SPRINGS SUBUNIT														
41N/6W-1D1	George and Anita Zabella Vanderbilt	Irrigation	400 feet below intake	Staff gage and depth-flow relationship	——**——		10e	28	104	70	86	74	29	16	11	10e	458	
41N/[illegible]-2F1	George and Anita Zabella Vanderbilt	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	——**——			10	74	51	56	61	48	43	10	10	393	

* See remarks
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** Diversion estimated for period indicated
NR No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
					WEED SUBUNIT													
M D B & M																		
41N/4W-6P1	International Paper Company	Irrigation, stock-watering	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	12	74	39	16	27	36	10	214	
41N/4W-18P1	Southern Pacific Company	Irrigation, domestic	At pump	Pump test and power records	1	2	1	1	3	2	3	2	1	2	1	1	20	
41N/5W-1B1	International Paper Company	Industrial	At intake	Estimated	----------**----------												2,900	
41N/5W-1H1	International Paper Company	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	8	17	10	59	63	26	5	4	4	196	
41N/5W-1M2	International Paper Company	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	18	31	28	27	31	38	36	36	34	279	
41N/5W-2E1	Pete Salanti	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	46	99	105	113	97	92	80	30	35	697*	Amount reported includes 281 acre-feet diverted into ditch from springs.
41N/5W-2E2	International Paper Company	Recreation	At pump	Pump test and power records	0	0	0	1	26	24	27	31	20	8	0	0	137	
41N/5W-3D1	Mike Belcastro	Irrigation, stock-watering	—	Estimated	0	0	0	0	----**----		0	0	0	0	0	0	3	
41N/5W-4F1	Floyd Barnum, William H. King, John L. and Lillian M. Mazzini	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	3	174	97	114	234	216	60	0	898	
41N/5W-5H1	Stuart Hammond	Irrigation, stock-watering, domestic	50 feet below intake	Estimated	----------**----------												80	
41N/5W-5K1	Stuart Hammond	Irrigation, stock-watering	50 feet below intake	Estimated	----------**----------												10	
41N/5W-9B1	Dwight Hammond	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	101	133	142	130	137	139	130	0	902	
41N/5W-9G1	Pleas Connolly	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	26	54	26	54	44	33	45	24	30e	336	
41N/5W-9P1	Edson-Foulke Yreka Ditch Company	Irrigation, stock-watering	At intake	Water-stage recorder and depth-flow relationship	0	0	0	78	1,480	548	1,679	1,192	667	776	581	573	7,574	

* See remarks
e Monthly value estimated
--*-- Diversion estimated for period indicated
--NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				WEED SUBUNIT (Continued)														
M D B & M																		
41N/5W-9P2	Dwight Hammond	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	0	82	16	0	0	82	110[e]	290	
41N/5W-11A1	Elmer H. and Inez Mary Meline	Irrigation, stock-watering	120 feet below intake	Staff gage and depth-flow relationship	0	0	0	2	38	41	30	29	29	50	46	28	293	
41N/5W-12C1	Elmer H. and Inez Mary Meline	Irrigation, stock-watering	120 feet below intake	Staff gage and depth-flow relationship	0	0	6	69	40	37	58	26	54	69	2	0	361	
41N/5W-12C2	Elmer H. and Inez Mary Meline	Irrigation, stock-watering	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	46	41	5	39	20	17	88	40[e]	296	
41N/5W-12D1	Elmer H. and Inez Mary Meline	Irrigation	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	4	35	46	48	48	46	49	15	0	291	
41N/5W-12N1	Frank and Maria Rovito	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	10[e]	17	66	70	65	15	40	34	25	20	362	
41N/5W-16D1	Dwight Hammond	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	14	82	127	91	122	110	117	130	40[e]	833	
41N/5W-16Q1	Dwight Hammond	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	--------••			30[e]	188	152	67	43	45	49	40	10[e]	644	
41N/5W-17F1	Gertrude Crechriou	Irrigation, stock-watering	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	128	96	73	60	14	0	0	0	371	
41N/5W-17P2	Dwight and Stuart Hammond	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	88	537	354	486	181	98	14	2	0	1,760	
41N/5W-17P3	Ellen Tupper	Power, domestic, stockwatering	--	Estimated	----------••												1,040	
41N/5W-21A1	Homer Murphy	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	33	216	155	145	49	60	0	0	0	658	
41N/5W-21A2	Dwight Hammond	Irrigation	80 feet below intake	Staff gage and depth-flow relationship	0	0	0	12	73	66	184	140	35	0	0	0	510	
41N/5W-21C1	Dwight Hammond	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	346	466	62	23	0	0	0	897	

• See remarks
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--•••-- Diversion estimated for period indicated
--NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				WEED SUBUNIT (Continued)														
M D B & M																		
41N/5W-21L1	Dwight Hammond	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	10[e]	337	581	299	212	1	0	0	1,440	
42N/5W-21N1	Ernest and Rosina Spada	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	---**	-----	106	89	138	144	130	64	77	84	97	100[e]	1,159	
42N/5W-21J1	Samuel C. Jackson	Irrigation, stock-watering	At intake	Staff gage and depth-flow relationship	0	0	0	0	41	50	37	43	35	30[e]	0	0	236	
42N/5W-22L1	Samuel C. Jackson	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	6	70	81	10	58	108	34	0	0	367	
42N/5W-22E1	Samuel C. Jackson	Irrigation, stock-watering, domestic	--	Estimated	----------						**						60	
42N/5W-22H1	Samuel C. Jackson	Irrigation, stock-watering	0.2 mile below intake	Staff gage and depth-flow relationship	----**	----	63	44	88	100	68	120	86	56	40	40[e]	715	
42N/5W-23	A. B. Hoy	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	----**	----	10[e]	15	3	15	13	11	14	8	8	10[e]	124	
41N/5W-25N1	H. L. and Louise C. Vidrickson	Irrigation	--	Estimated	0	0	0	----------			**				0	0	30	
42N/5W-25N2	H. L. and Louise C. Vidrickson	Irrigation	--	Estimated	0	0	0	0	----------		**				0	0	10	
42N/5W-25P1	Mike Belcastro H. L. and Louise C. Vidrickson	Irrigation, stock-watering	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	38	34	17	29	12	38	16	3	187	
42N/5W-25P2	A. B. Hoy H. L. and Louise C. Vidrickson	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	----**	----	66	61	61	80	98	78	66	67	35	36	758	
42N/5W-26B1	A. B. Hoy	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	27	35	23	4	8	19	0	0	116	
42N/5W-26F1	A. B. Hoy	Irrigation, stock-watering	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	32	45	15	9	22	28	7	0	158	
42N/5W-26H1	A. B. Hoy	Irrigation	250 feet below intake	Staff gage and depth-flow relationship	---**	----	79	36	81	102	52	73	70	31	18	20[e]	612	

* See remarks
e Monthly value estimated
- ** - Diversion estimated for period indicated
- - N R - - No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				WEED SUBUNIT (Continued)														
M D B & M																		
42N/5W-27Q1	Samuel C. Jackson	Irrigation, stock-watering	--	Estimated	----------**----------												160	
42N/5W-27Q2	Samuel C. Jackson	Irrigation, stock-watering	--	Estimated	----------**----------												40	
42N/5W-8C1	Ernest and Rosina Spada Lawrence E. and Myrtle P. Sullivan	Irrigation	400 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	19	2	12	8	9	0	0	0	50	
42N/5W-17E1	Ernest and Rosina Spada	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	36	54	54	57	84	21	19	20[e]	345	
42N/5W-28E1	Frank Alexander William Wellons	Irrigation, stock-watering	0.8 mile below intake	Staff gage and depth-flow relationship	---**-----		60[e]	57	83	103	86	67	37	48	64	50[e]	775	
42N/5W-28E2	Lawrence E. and Myrtle P. Sullivan	Irrigation, stock-watering	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	44	96	124	103	65	40	0	0	472	
42N/5W-28K1	A. M. and Alma Neal	Irrigation	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	8	42	63	46	38	21	55	0	0	273	
42N/5W-28K2	Lawrence E. and Myrtle P. Sullivan	Irrigation, stock-watering	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	2	4	21	38	50	93	47	255	
42N/5W-28P1	A. M. and Alma Neal	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0	250[e]	453	136	187	83	388	0	0	1,497	
42N/5W-28Q1	Samuel C. Jackson	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	50	67	41	13	19	0	0	0	190	
42N/5W-28R1	Samuel C. Jackson	Irrigation, stock-watering	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	209	252	293	255	227	133	79	70[e]	1,421	
42N/5W-29A1	Ernest and Rosina Spada	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	54	91	141	75	59	24	31	20[e]	495	
42N/5W-33C1	A. M. and Alma Neal	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	25	262	222	145	123	141	218	74	0	1,210	
42N/5W-33C2	Ernest E. and Dorothy N. Solus	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	11	16	51	24	12	0	0	0	114	

* See remarks
e Monthly value estimated
---**--- Diversion estimated for period indicated
--NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				WEED SUBUNIT (Continued)														
M D B & M																		
42N/5W-33K1	Harry Lemos A. W. and Alma Neal Laverne H. Mucker Ernest E. and Dorothy N. Solus	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	--------**			186	447	431	252	336	232	248	77	80e	2,519	
42N/5W-33K2	Harry Lemos	Irrigation, stock-watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	53	41	0	120	215	5	)	0	434	
42N/5W-33L1	Harry Lemos Ernest E. and Dorothy N. Solus	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	21	137	62	54	22	1	0	0	297	
42N/5W-35A1	Mike Belcastro	Irrigation, stock-watering	--	Estimated	0	0	0	0	----------**						0	0	420	
42N/5W-35E1	Mike Belcastro	Irrigation, stock-watering, domestic	--	Estimated	----------**												10	
42N/5W-36B1	Mike Belcastro	Irrigation, stock-watering	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	22	39	64	56	83	85	29	3	372	
42N/5W-36M1	Cecile Carrick Crooks Mae Carrick Cody	Irrigation, stock-watering	350 feet below intake	Staff gage and depth-flow relationship	----**----		109	124	142	127	110	119	117	91	95	112	1,346	
42N/5W-36M2	Roger Zwanziger	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	--------**			95	183	177	192	181	165	105	89	90e	1,547	
42N/5W-36M1	John H. Linville	Irrigation, stock-watering	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	2	4	3	2	0	0	0	11	
42N/5W-36M2	John H. Linville	Irrigation, stock-watering	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	7	3	18	32	12	0	0	0	72	
				WILLOW CREEK SUBUNIT														
42N/6W-19A1	Dan Shelley	Irrigation	400 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	273	241	188	154	146	95	100	89	1,286	
42N/6W-19Q1	Kathryn Heinsen	Irrigation	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	25	93	55	23	10	9	13	24	0	252	

* See remarks
e Monthly value estimated
** Diversion estimated for period indicated
- N R No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
WILLOW CREEK SUBUNIT (Continued)																		
H B & M																		
42N/6W-19Q2	Kathryn Heinsen	Irrigation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	6	36	12	0	0	0	0	0	0	54	
42N/6W-19K1	Kathryn Heinsen	Irrigation	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	35	89	57	40	25	14	21	13	0	294	
42N/6W-19K2	Kathryn Heinsen	Irrigation	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	41	50	25	42	40	23	6	2	0	229	
42N/6W-30B1	Kathryn Heinsen	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	15	136	73	57	41	22	13	7	0	364	
43N/7W-24K1	Gertrude Crechriou	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	28	25	32	24	12	0	0	0	121	
42N/7W-25C1	Bertha A. Ashburn	Irrigation	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	----------**					0	0	0	0	25	
43N/7W-1J1	Menenhall Brothers	Irrigation, stock-watering	At intake	Staff gage and depth-flow relationship	0	0	0	0	2	4	3	0	0	0	0	0	9	
43N/7W-1R1	Menenhall Brothers	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	2	2	2	2	2	1	0	0	11	
YREKA CREEK SUBUNIT																		
44N/7W-3H1	Shastalite Block Company	Industrial, domestic	—	Estimated	----------**												10	
44N/7W-9R1	Ernest and Zelma Walter	Irrigation, stock-watering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	53	32	17	3	0	0	0	0	0	105	Source dry 7/16/58.
44N/7W-10F1	W. B. Flock	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	5	9	5	0	0	0	0	0	0	19	
44N/7W-10M1	Ernest and Zelma Walter	Irrigation, stock-watering	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	41	45	25	32	25	0	0	0	0	168	Source dry 8/26/58.
44N/7W-11F1	Ben Brazie	Irrigation, stock-watering, recreation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	3	5	13	43	36	11	0	0	0	111	

* See remarks
e Monthly value estimated
--*e*-- Diversion estimated for period indicated
--NR-- No record for period indicated

TABLE 6 (Continued)

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Diversion Location	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
YREKA CREEK SUBUNIT (Continued)																		
T S B & M																		
45N/7W-3R1	Joseph Lemos	Irrigation, stock-watering, mining	0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	0	4	1	0	0	0	0	0	5	
45N/7W-9J1	Normond L. Girard	Irrigation, stock-watering	0.2 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	30[e]	24	21	7	0	0	0	0	84	Source dry 8/26/58.
45N/7W-10R1	C. E. Burgess	Irrigation, stock-watering	300 feet below intake	Staff gage and depth-flow relationship	--------NR--------			80[e]	20	26	8	5	2	2	2	1	146	
45N/7W-21F1	Gerald Lange	Irrigation, stock-watering	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	8	11	0	4	4	3	1	0	31	Source dry 11/23/58.
45N/7W-21J1	Gerald Lange	Irrigation, stock-watering	At intake	Staff gage and depth-flow relationship	0	0	0	29	25	11	4	3	2	0	0	0	74	Source dry 10/10/58.
45N/7W-22J1	City of Yreka	Municipal, recreation	--	Estimated	0	0	0	0	0	----------**			----------	0	0	0	10	
45N/7W-23J1	City of Yreka	Municipal	At pumps	Pump test and power records	12	9	6	16	38	38	86	101	69	52	34	26	487	
45N/7W-26B1	Erick Johnson	Irrigation	At pumps	Pump test and power records	0	0	0	0	5	1	25	8	3	6	1	0	49	
45N/7W-29L2	Josephine Brown H. H. Culp Larue Payne Albert Tebbe	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	55	82	75	48	6	0	0	0	0	266	
45N/7W-30R1	Bob E. Lodson	Irrigation, stock-watering, domestic	At intake	Staff gage and depth-flow relationship	0	0	0	0	19	9	3	0	0	0	0	0	31	Source dry 7/16/58.
45N/7W-33A1	City of Yreka	Municipal, industrial	At pump	Pump test and power records	2	1	1	22	28	32	23	21	12	13	15	25	195	
45N/7W-34J1	Mrs. Glen Hill	Irrigation, stock-watering	--	Estimated	0	0	0	----------				**		----------	0	0	10	
[illegible]	[illegible]	Irrigation, stock-watering	At intake	Staff gage and depth-flow relationship	0	0	----------			NR		----------	22	23	16	9	70	

* See remarks
e Monthly value estimated
** Diversion estimated for period indicated
NR No record for period indicated

Department
of Water
Resources
Gaging Stati
"Etna Creek
Near Etna"

Watermaster,
Measuring Fl
in Shasta
Valley

Index to Surface Water Diversions

An alphabetical index of diversion names and owners is provided at the end of this chapter in Table 7. This table gives the diversion location number, the subunit, and references to the sheet number of Plate 2 and page numbers where pertinent data appear.

Imports and Exports

Surface water was imported to the Shasta-Scott Valleys Hydrographic Unit through the Hammond North Fork Ditch (41N/5W-34L1, point of entry into Shasta-Scott Valleys Hydrographic Unit) from the Shasta Lake Hydrographic Unit. A total of 1,558 acre-feet was imported during 1958. No surface water was exported from the unit.

Consumptive Use

Consumptive use of water is defined as water consumed by vegetative growth in transpiration and building of plant tissue, and by water evaporated from adjacent soil, from water surface, and from foliage. It also includes water similarly consumed and evaporated by urban and nonvegetative types of land use.

In the Shasta-Scott Valleys Hydrographic Unit, the largest consumptive use of applied water is for irrigated agriculture. Based on land use surveys presented in this bulletin, and on the unit consumptive use values given in Department of Water Resources Bulletin No. 83, "Klamath River

Basin Investigation", the total consumptive use of applied water during 1958 is estimated to have been 42,820 acre-feet, of which 39,430 acre-feet were used for irrigated agriculture, 1,760 acre-feet for domestic and municipal purposes, and 1,630 acre-feet for industrial purposes in the production of lumber, plywood, and other wood products. The consumptive use of water involved in the production of power and for mining purposes is negligible and consists primarily of evaporation from canal surfaces.

Significant increases in the unit consumptive use values are indicated on the basis of research now underway in the Department. Revision of the above estimates are not considered to be warranted until these studies are completed and the new values adopted. As a later phase of this investigation, estimates of future water requirements will be made utilizing the new values.

TABLE 7

INDEX TO SURFACE WATER DIVERSIONS
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion name or owner	Diversion location	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Aderholt, Hugh W.	44N/9W-13N1	McAdam Creek	4	60, 98, 159
	44N/9W-24D1	McAdam Creek	4	60, 98, 159
Aker, Henry and May	41N/9W-28C1	Callahan	13	30, 83, 139
Alexander, Frank Wellons, William	42N/5W-28E1	Weed	12	71, 104, 140, 166, C-16
Alger Ditch Duffy, Hugh Moore, George E. Sudderath, Clifford	40N/8W-17J1	Callahan	16	28, 82, 137
Allen, Don	(See Musgrave and Linton Ditch)			
Antonio Ditch Araujo, Domingus B. and Manuel B. Fiock, Earl B. and Mildred O. Fiock, Henry	45N/6W-20Q2	Little Shasta	2	53, 94, 155
Araujo, Domingus B. and Manuel B.	(See Antonio Ditch)			
Ashburn, Bertha A.	42N/7W-25C1	Willow Creek	11	75, 106, 168
	42N/7W-25D1	Willow Creek	11	75
Babcock, Martin and Soule Ditch Day, Frank R. and Margaret S. Haight, Mattie A. Lane, Oliver P. and Lois H. Miller, LeRoy and Marion Shelley, L. L. Soule, Ella D.	45N/5W-25B1	Little Shasta	3	50, 93, 153
Ball, C. A.	41N/9W-10G1	Callahan	13	29, 82, 138
	41N/9W-11E1	Callahan	13	29, 138
	41N/9W-11F1	Callahan	13	29, 138
	(See North Fork Ditch 41N/9W-21N1)			
Ball, C. A. Berthelsen, V.	41N/9W-15A1	Callahan	13	29, 82, 138
Ball, C. A. Richman, R. E.	41N/9W-10R1	Callahan	13	29, 82, 138
Ball, C. A. Richman, R. E. Green, H.	41N/9W-15L1	Callahan	13	29, 83, 138
Ball, C. A. Fowler, C. C. Fowler, H. R. Halliday, W. J. Richman, R. E. Timmons, J. T. Tuttle, R. B.	41N/10W-26K1	South Fork	13	66
Barker Ditch Huddle, Thomas V. Johnson, J. C. Kellems, F. I. Maplesden, C. V. Orr, A. D. Taylor, Ray Walker, Vernon	43N/10W-35R1	Etna	7	42, 89, 147

TABLE 7 (Continued)

INDEX TO SURFACE WATER DIVERSIONS
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion name or owner	Diversion Location	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Barnam, Floyd King, William H. Mazzini, John J. and Lillian M.	41N/5W-4F1	Weed	15	67, 101, 160, 163
Barnes, Glenn LaFevers, D. H.	40N/9W-11J1	Callahan	16	28, 82, 137, C-15, C-17
Barnes, Glenn Fisher, H. A. LaFevers, D. H. Wolford Brothers	41N/9W-25F1	Callahan	13	30, 83, 139
Belcastro, Joe	42N/5W-35L1	Weed	12	73, 167
Belcastro, Mike	41N/5W-3D1	Weed	15	67, 101, 163
	42N/5W-35A1	Weed	12	73, 105, 167
	42N/5W-35B1	Weed	12	73, 105, 167
	42N/5W-36B1	Weed	12	73, 105, 167
Belcastro, Mike Vidrickson, H. L. and Louise C.	42N/5W-25P1	Weed	12	70, 103, 165
Bemrod, Harry M. and Martha B. Byers, Walter L. and Barbara B.	41N/9W-32A1	South Fork	13	65, 139
Bergan	(See Richman, R. E.)			
Bergsnyder, L. B.	40N/9W-25J1	South Fork	16	65, 100, 162
Berthelsen, V.	(See Ball, C. A.)			
Big Springs Irrigation District	43N/5W-3R2	Dwinnell Reservoir	9	32, 84, 141, D-3
Bigham, Ernest	42N/9W-16E1	Etna	10	40, 88, 146
	42N/9W-17H2	Etna	10	40, 88, 146
Bigham, Margaret	42N/9W-17M2	Etna	10	40, 88, 146
Birdwell, C. W.	40N/9W-1R1	Callahan	16	28, 137
	40N/9W-11Q1	Callahan	16	28, 137, C-15
	40N/9W-12F1	Callahan	16	28, 82, 137, C-15
	40N/9W-12F2	Callahan	16	29, 82, 137, C-15
	44N/9W-31C1	Lower Scott Valley	4	57, 96, 157
	44N/9W-31D1	Lower Scott Valley	4	57, 96, 157, C-17
Brahs, Frank	(See Huesman Ditch)			
Brazie, Ben	44N/7W-11P1	Yreka Creek	5	76, 106, 169
Bridwell, Ernest	42N/6W-24M1	Parks Creek	11	63, 99, 149, 161
Brown, Josephine Culp, B. R. Payne, Larue Tebbe, Albert	45N/7W-29L2	Yreka Creek	2	78, 107, 170
Brown, Myrtle and Estate of Ira E.	(See Musgrave and Linton Ditch)			
Bruce, Merle	44N/10W-25C1	Lower Scott Valley	4	58, 96, 157
Bruce, Merle Tozier Brothers	44N/10W-25F1	Lower Scott Valley	4	58, 96, 157

TABLE 7 (Continued)

INDEX TO SURFACE WATER DIVERSIONS
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion name or owner	Diversion location	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Bruinsma, Samuel	43N/6W-2F1	Grenada	8	44
	43N/6W-2L1	Grenada	8	44, 91, 149
	43N/6W-11B1	Grenada	8	44, 91, 149
	43N/6W-11G1	Grenada	8	44, 91
	44N/6W-26C1	Grenada	5	46, 150
	44N/6W-26M1	Grenada	5	46, 92, 150
	44N/6W-35E1	Grenada	5	47, 151
	44N/6W-35F2	Grenada	5	47, 92, 151
Buell, W. E.	(See Musgrave and Linton Ditch)			
Burgess, C. E.	45N/7W-10R1	Yreka Creek	2	77, 107, 169
Burton, Burnell	44N/10W-35B1	Lower Scott Valley	4	58
	44N/10W-35C1	Lower Scott Valley	4	58, 97, 158
Burton, Burnell Burton, Ed Pearson, Casey	44N/10W-35P2	Lower Scott Valley	4	59, 97, 158
Burton, Ed	(See Burton, Burnell) (See Freitas Ditch)			
Burton, Ed Pearson, Casey	44N/10W-34K1	Lower Scott Valley	4	58, 97, 158
Burton, Fred W.	44N/7W-5L1	Yreka Creek	5	75, 168
	44N/7W-5Q1	Yreka Creek	5	75, 168
	44N/7W-5R1	Yreka Creek	5	75
	44N/7W-7J1	Yreka Creek	5	75, 168
	44N/7W-7R1	Yreka Creek	5	76, 168
	44N/7W-8A1	Yreka Creek	5	76, 168
	44N/7W-8G1	Yreka Creek	5	76, 168
	44N/7W-8K1	Yreka Creek	5	76, 169
	44N/7W-8K2	Yreka Creek	5	76, 169
	44N/7W-8K3	Yreka Creek	5	76, 169
	44N/7W-8K4	Yreka Creek	5	76, 169
	44N/7W-8M1	Yreka Creek	5	76, 168
	44N/7W-8Q1	Yreka Creek	5	76, 168, 169
	44N/7W-8Q2	Yreka Creek	5	76, 169
Byers, Walter L. and Barbara B.	(See Bemrod, Harry M. and Martha B.)			
Caldwell, Willard R.	42N/5W-34K1	Weed	12	73, 167
Camp Ditch U. S. Bureau of Indian Affairs; Quartz Valley Indian Reservation	43N/10W-10E1	Lower Scott Valley	7	56, 95, 156
Campbell Lake R. A. Folendorf	42N/11W-34F1	Shackleford Creek	7	64
Carpenter, Fred	42N/6W-3R1	Grenada	11	43, 90, 148
Cawley, Laura	43N/5W-20B1	Parks Creek	9	64, 161
	44N/7W-4K1	Yreka Creek	5	75, 168
Chester, Henry	43N/10W-2K1	Lower Scott Valley	7	55, 156
Chester, Henry Tozier Brothers	44N/10W-35P1	Lower Scott Valley	4	59, 97, 158
Clement, Mrs. Bertha	45N/6W-8F1	Little Shasta	2	52, 154, D-7
Clement, Paul	45N/6W-8A1	Little Shasta	2	52, 154

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Cliff Lake R. A. Folendorf	42N/11W-33R1	Shackleford Creek	7	64
Cloak Lake Drummond, Charles T. and Ellen B.	44N/5W-20J1	Dwinnell Reservoir	6	34, 85, 142, 150, C-17
Cody, Mae Carrick	(See Crooks, Cecile Carrick)			
Connick, Harris R. and Edyth R.	45N/4W-30K2 (See Haight, Deter, and Kegg Ditch)	Little Shasta	3	49, 152, C-16
Connolly, Ples	41N/5W-9G1	Weed	15	67, 101, 164
Coonrod, Donald and J.	44N/4W-28M1	Dwinnell Reservoir	6	34, 85, 142
Cort, William E., Jr. and Sons	(See More, Isabella C.) (See Parks Creek Ranch)			
Cory, William M. and Elsie E.	41N/9W-22P1	Callahan	13	30, 83, 139
Cory, William M. and Elsie E. Green, H. Mason, John H. and Eleanor	41N/9W-28B1	Callahan	13	30, 83, 138, 139
Costa, Frances	44N/8W-22L1	McAdam Creek	5	59, 158
	44N/8W-26F1	McAdam Creek	5	59, 158
	44N/8W-27L1	McAdam Creek	5	59, 159
Costa, Frances Deas, Joe Victor, E. F.	44N/8W-27G1	McAdam Creek	5	59, 159
Cramer, Fred	43N/8W-2K1	Moffett Creek	8	60, 98, 159
	44N/8W-36N1	Moffett Creek	5	61, 98, 160
Cramer, M. L., Harold L., Charles and Bonnie A.	43N/7W-18G1	Moffett Creek	8	60, 98, 159
	43N/8W-12K1	Moffett Creek	8	60, 98, 159
	43N/8W-13G1	Moffett Creek	8	60, 98, 159
	43N/8W-13G2	Moffett Creek	8	60, 98, 160
Crechriou, Gertrude	41N/5W-17F1	Weed	15	69, 102, 164
	42N/6W-19M1	Willow Creek	11	74, 168
	42N/7W-24R1	Willow Creek	11	75, 106, 168
Crechriou, John	44N/9W-22N1	Lower Scott Valley	4	57, 96, 157
Crooks, Cecile Carrick	42N/5W-36H1	Weed	12	73, 105, 167
Culp, B. R.	(See Brown, Josephine)			
Custer, C.	(See Wright and Fletcher Ditch)			
Custer, C. Rose, George	43N/9W-8B1	Lower Scott Valley	7	54, 156
Damron, Howard	42N/6W-16F1	Grenada	11	43, 148
	42N/6W-17K1	Willow Creek	11	74, 149
	42N/6W-17L1	Willow Creek	11	74, 149, 167
	42N/6W-17N1	Willow Creek	11	74, 167
Damron, James	42N/6W-7G1	Willow Creek	11	74, 167

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Dangle, Josephine, et al.	43N/10W-11C1	Lower Scott Valley	7	56, 95, 156, 157
	43N/10W-11K1	Lower Scott Valley	7	56, 96, 157
	43N/10W-11Q1	Lower Scott Valley	7	56, 96, 157
Danielson, H. Jorgen and Elinore	40N/9W-5K1	South Fork	16	64, 100, 137, 162
	41N/9W-33R1	South Fork	13	65, 100, 162
Darbee, Andrew L.	43N/9W-15K1	South Fork	16	65,138, C-15
Davidson, B. F.	43N/9W-11M1	Etna	7	42, 147, C-17
Davidson, Charles S. and Dora	41N/5W-3C1	Weed	15	67, 163
Davidson, W. T. Star Ranch, Inc.	43N/9W-2G1	McAdam Creek	7	59, 97, 147, 155, 163
Davis, E. Orlo and Margaret A.	44N/4W-4E1	Little Shasta	6	47, 151
	44N/4W-5K1	Little Shasta	6	48, 152
	44N/4W-5L1	Little Shasta	6	48, 152
	44N/4W-5L2	Little Shasta	6	48, 152
	45N/4W-30K1	Little Shasta	3	49, 153
Davis, E. Orlo and Margaret A. Walters, Larry	44N/4W-5J1	Little Shasta	6	47, 152
Day, Frank R. and Margaret S.	(See Babcock, Martin and Soule Ditch) (See Musgrave and Linton Ditch)			
Deas, Joe	(See Costa, Frances)			
Denny, Susie N., et al.	41N/9W-13E1	Callahan	13	29
	41N/9W-24F1	Callahan	13	30, 139
Depew, Kenneth	42N/9W-33E1	Etna	10	41, 89, 147
DeRose, Joe	45N/8W-24R1	Yreka Creek	2	79, 107, 170
DeSozo, Tom	(See Huesman Ditch)			
Dodson, Bob E.	45N/7W-30R1	Yreka Creek	2	78, 107, 170
Doren, John L.	44N/6W-3R1	Grenada	5	45, 91, 150
	44N/6W-4J1	Little Shasta	5	48, 93, 152
	44N/6W-4R1	Little Shasta	5	48, 93, 150, 152
	44N/6W-11L1	Grenada	5	45, 91, 150, 152
Dreyer, Anna	(See Musgrave and Linton Ditch)			
Drummond, Charles T. and Ellen B.	44N/5W-19G1	Grenada	6	45, 150, C-18
	44N/5W-20M1	Grenada	6	45, 150, C-18
	44N/5W-20P1	Dwinnell Reservoir	6	34, 85, 150, C-18
	(See Cloak Lake) (See Salt Lake)			
Dudley-Parker Ranch	41N/8W-23C1	East Fork	14	38, 144
	41N/8W-23C2	East Fork	14	38, 145
	41N/8W-34A1	East Fork	14	38, 145
Duffy, Hugh	(See Alger Ditch)			
Dwinnell Reservoir Montague Water Conservation District	43N/5W-25L1	Dwinnell Reservoir	9	33, 85, 142, 151, 153, 154, C-16, C-17, D-7

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Eastlick, James	44N/10W-21J1	Lower Scott Valley	4	57, 96, 157
	44N/10W-28A1	Lower Scott Valley	4	58, 158
Edmonds, Alfred C. and Viola M.	45N/4W-19L1	Little Shasta	3	48, 93, 152
Edson-Foulke Yreka Ditch Company	41N/5W-6D1	Parks Creek	15	61,99,148,160,D-3,D-5
	41N/5W-9P1	Weed	15	68,101,148,150,160, 164, D-3, D-4, D-5
	42N/6W-10G1	Grenada	11	43,D-3,D-4,D-5,D-6
Ekstrom, Roland	44N/6W-14A1	Grenada	5	45, 91, 150, C-16
Etna, City of	41N/9W-6J1	Etna	13	20, 39
Etna Mill Ditch Wagner Brothers	42N/9W-32R1	Etna	10	41, 89, 146
Farmers Ditch Company	40N/9W-1J1	Callahan	16	28, 82, 137
Fincher, Aron	44N/9W-28H1	Lower Scott Valley	4	57. 96, 157
	44N/9W-28R1	Lower Scott Valley	4	57
Fiock, Earl B. and Mildred O.	45N/5W-32H1	Little Shasta	3	51, 94, 153, C-16, C-17
	45N/6W-21F1	Little Shasta	2	53, 94, 155
	45N/6W-28Q1	Little Shasta	2	53, 94, 155
	(See Antonio Ditch)			
Fiock, Earl B. and Mildred O. Fiock, Henry	45N/6W-20A1	Little Shasta	2	53, 94, 154
	45N/6W-20Q1	Little Shasta	2	53, 94, 154
Fiock, George	45N/6W-33K1	Little Shasta	2	54, 95, 155
Fiock, Henry	45N/6W-18H1	Little Shasta	2	53, 94, 154
	(See Antonio Ditch)			
	(See Fiock, Earl B. and Mildred O.)			
Fiock, W. B.	44N/7W-10F1	Yreka Creek	5	76, 106, 169
Fisher, H. A.	(See Barnes, Glenn)			
Folendorf, R. A.	(See Campbell Lake)			
	(See Cliff Lake)			
	(See Weed Ditch)			
Foulke, Edson L.	42N/6W-2P1	Grenada	11	43, 90, 148
	42N/6W-2P2	Grenada	11	43, 90, 148
	42N/6W-3H1	Grenada	11	43, 90, 148
	43N/6W-25D1	Grenada	8	44, 149
	43N/6W-26H1	Grenada	8	45, 149
	43N/6W-26H2	Grenada	8	45, 149
	43N/6W-34R1	Grenada	8	45, 91, 150, C-16
Fowler, Bonnie	40N/9W-1C1	Callahan	16	28, 137
Fowler, Clyde E.	41N/8W-36K1	East Fork	14	38, 87, 145
	41N/8W-36P1	East Fork	14	38, 87, 145
Fowler, C. C.	(See North Fork Ditch 41N/9W-21N1)			
	(See Ball, C. A.)			
Fowler, H. R.	(See North Fork Ditch 41N/9W-21N1)			
	(See Ball, C. A.)			

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Franklin, Laurence	40N/7W-7L2	East Fork	17	35, 86, 143
	40N/7W-18E1	East Fork	17	35, 86, 143
	40N/7W-20A1	East Fork	17	35, 86, 143
Freeman, Williard and Merl	44N/6W-10A1	Grenada	5	45, 91, 150
Freitas Ditch Burton, Ed Pearson, Casey U. S. Bureau of Indian Affairs; Quartz Valley Indian Reservation	43N/10W-2Q1	Lower Scott Valley	7	55, 95, 156
French Mining Company	39N/9W-9H1	South Fork	18	64
Friden, Stanley M.	43N/9W-17N1	Lower Scott Valley	7	54, 156
	43N/9W-20D1	Lower Scott Valley	7	55, 156
	43N/9W-20E1	Lower Scott Valley	7	55, 156
	43N/9W-20M1	Lower Scott Valley	7	55, 156
	43N/9W-31D1	Etna	7	42, 89, 156
Fuglistaler, Alfonso J.	40N/9W-4Q1	South Fork	16	64,100, 137, 162
	40N/9W-7H1	South Fork	16	65,100, 137, 162
Gallarda, William J.	44N/6W-29E1	Grenada	5	46, 92, 151
	44N/6W-30H1	Grenada	5	46, 92, 151
	44N/6W-30H2	Grenada	5	46, 92, 151
	44N/6W-30K1	Grenada	5	46, 92, 151
	44N/6W-30P1	Grenada	5	47, 92, 151
Girard, Normond L.	45N/7W-9J1	Yreka Creek	2	77, 107, 169
	45N/7W-10M1	Yreka Creek	2	77, 169
Glendenning Brothers	43N/9W-28G1	Etna	7	42, 147
	(See Wright and Fletcher Ditch)			
Goose Nest Properties, Inc.	45N/3W-3A1	Ball Mountain	3	28, 137
	45N/3W-9A2	Ball Mountain	3	28, 137
Green, H.	41N/9W-15G1	Callahan	13	29, 83, 138
	(See Ball, C. A.)			
	(See Cory, William M. and Elsie E.)			
Gregg, Rodney	40N/6W-8M1	East Fork	17	35, 144
	40N/7W-13A1	East Fork	17	35, 144
	41N/7W-14D1	East Fork	14	36, 87, 144
	41N/7W-15E1	East Fork	14	37, 87, 144
	41N/7W-15F1	East Fork	14	37, 87, 144
	41N/7W-16H1	East Fork	14	37, 87, 144
	41N/7W-16P1	East Fork	14	37, 87, 144
	41N/7W-21C1	East Fork	14	37, 87, 144
	41N/7W-21P1	East Fork	14	37, 144
	41N/7W-28H1	East Fork	14	37, 87, 144
Grenada Irrigation District	43N/5W-6D1	Grenada	9	43, 90, 149, C-16, D-6
Grissom Ranch	42N/5W-5Q1	Parks Creek	12	61, 160
	42N/5W-7H1	Parks Creek	12	61, 160
	42N/5W-7K1	Parks Creek	12	61, 160
	42N/5W-8C1	Parks Creek	12	61, 160
	42N/5W-8P1	Parks Creek	12	61, 160
	43N/5W-28B1	Parks Creek	9	64, 162
	43N/5W-32A1	Parks Creek	9	64, 162
	43N/5W-33M1	Parks Creek	9	64, 162

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Guerin, George H. and Linda	(See Musgrave and Linton Ditch)			
Hahn, Donald	43N/10W-10F1	Lower Scott Valley	7	56, 95, 156
Haight, Deter and Kegg Ditch Connick, Harris R. and Edith R.	45N/4W-20B1	Little Shasta	3	49, 93, 152
Haight, Ira F.	(See Musgrave and Linton Ditch)			
Haight, Mattie A.	(See Babcock, Martin and Soule Ditch)			
Halliday, W. J.	42N/9W-28Q1 (See Ball, C. A.) (See North Fork Ditch 41N/9W-21N1)	Etna	10	41, 89, 139
Hamilton, Rodney	40N/8W-22F1	East Fork	16	36, 86, 143
	40N/8W-22L1	East Fork	16	36, 86, 143
	40N/8W-22L2	East Fork	16	36, 86, 143
	40N/8W-22P1	East Fork	16	36, 86, 143
	40N/8W-35E1	East Fork	16	36, 86, 143
Hammond, Carl	42N/9W-28C1	Etna	10	41
	42N/9W-29G1	Etna	10	41, 89, 146
	42N/9W-29H1	Etna	10	41, 146
Hammond, Dwight	41N/5W-9B1	Weed	15	67, 101, 160, 164
	41N/5W-9P2	Weed	15	68, 102, 164
	41N/5W-16D1	Weed	15	69, 102, 164
	41N/5W-16E1	Weed	15	69, 164
	41N/5W-16Q1	Weed	15	69, 102, 164
	41N/5W-21A2	Weed	15	69, 102, 164
	41N/5W-21C1	Weed	15	69, 102, 163, 164
	41N/5W-21L1	Weed	15	69, 103, 104, 165
	41N/5W-21P1	Eddy Creek	15	38, 87, 145
	41N/5W-21R1	Eddy Creek	15	38, 87, 145, 164, 165
	41N/5W-27M1	Eddy Creek	15	39
Hammond, Dwight and Stuart	41N/5W-17F2 (See North Fork Ditch 41N/5W-34H1)	Weed	15	69, 102, 164,
Hammond, Stuart	41N/5W-5H1	Weed	15	67, 101, 163
	41N/5W-5K1	Weed	15	67, 101, 164
	41N/5W-28M1	Eddy Creek	15	39, 88, 145
	41N/5W-33B1	Eddy Creek	15	39, 88, 145
	41N/5W-33B2	Eddy Creek	15	39, 88, 145
	41N/5W-33C1	Eddy Creek	15	39, 88, 145
Harmon, W. S. (Mrs.)	40N/7W-18C1	East Fork	17	35, 143
Harp Ditch Terwilliger, Sidney F.	45N/4W-16B1	Little Shasta	3	48, 93, 152
Hart, Gladys I.	45N/4W-30A1	Little Shasta	3	49, 153
	45N/5W-35F1	Little Shasta	3	52, 154
Hart, Gladys I. Reynolds, D. L.	45N/5W-25B3	Little Shasta	3	50, 93, 153
Hayden, Dick	40N/9W-24R1	South Fork	16	65, 100, 162

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Hayden, Frank J.	40N/8W-13L1	East Fork	16	35, 86, 143, C-16
	40N/8W-14G1	East Fork	16	36, 143
	40N/8W-23B1	East Fork	16	36, 86, 143
	40N/8W-23D1	East Fork	16	36, 86, 143
Hayden, Gladys Jenner, John T.	42N/9W-3N1	Etna	10	39
Hayden, Nerva M.	40N/8W-2B1	East Fork	16	35, 143
	40N/8W-2B2	East Fork	16	35
	40N/8W-2Q1	East Fork	16	35, 86, 143
	41N/8W-34J1	East Fork	14	38, 87, 145
	41N/8W-34R1	East Fork	14	38, 145
Hayden, Nerva M. Owens, Hazel	40N/8W-15R1	East Fork	16	36, 86, 143
Hayden, R. B.	40N/8W-15Q1	East Fork	16	36, 143
Heide, John	43N/10W-9C1	Lower Scott Valley	7	55, 156
	43N/10W-9L1	Lower Scott Valley	7	56, 156
Heinsen, Kathryn	42N/6W-19G1	Willow Creek	11	74, 105, 167
	42N/6W-19G2	Willow Creek	11	74, 106, 167
	42N/6W-19K1	Willow Creek	11	74, 106, 167
	42N/6W-19K2	Willow Creek	11	74, 106, 168
	42N/6W-30B1	Willow Creek	11	74, 106, 168
Herman, H.	(See Wright and Fletcher Ditch)			
Hill, Glen (Mrs.)	45N/7W-34P1	Yreka Creek	2	79, 107, 170
Horn, F. Douglas	42N/9W-26L1	Etna	10	41, 89, 146
	42N/9W-27F1	Etna	10	41
	42N/9W-27M1	Etna	10	41, 89, 146
Howell, Ivan R.	43N/9W-3D1	Lower Scott Valley	7	54, 155
Hoy, A. B.	42N/5W-23P1	Weed	12	70, 103, 165
	42N/5W-26B1	Weed	12	70, 103, 165
	42N/5W-26F1	Weed	12	71, 103, 165
	42N/5W-26H1	Weed	12	71, 103, 165
Hoy, A. B. Vidrickson, H. L. and Louise C.	42N/5W-25P2	Weed	12	70, 103, 165
Huddle, Thomas V.	43N/9W-31A1 (See Barker Ditch)	Etna	7	42, 89, 147
Huddle, Thomas V. Taylor, Ray	43N/9W-33C1	Etna	7	42, 147
Huesman Ditch Brahs, Frank DeSozo, Tom Jenkins, Jerald Peters, H. J. Root, (Mrs.)	43N/5W-6D2	Grenada	9	44, 91, 149
Hullquist, Wilber and Grace Mason, Roy E.	44N/9W-22G1	Lower Scott Valley	4	57, 96, 157

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	41N/4W-7C1	Weed	15	20, 66
	41N/5W-1B1	Weed	15	20, 66, 101
	41N/5W-1H1	Weed	15	20, 67, 101, 163
	41N/5W-1H2	Weed	15	20, 67, 101, 163
	41N/5W-2E2	Weed	15	20, 67, 101
	41N/5W-13D1	Weed	15	20, 68
Jackson, Samuel C.	42N/5W-21Q1	Weed	12	70, 103, 165
	42N/5W-22C1	Dwinnell Reservoir	12	31, 84, 140
	42N/5W-22C2	Dwinnell Reservoir	12	31, 84, 140
	42N/5W-22L1	Weed	12	70, 103, 140
	42N/5W-22P1	Weed	12	70, 103, 165
	42N/5W-22R1	Weed	12	70, 103, 140, 165
	42N/5W-27D1	Weed	12	71, 104, 165
	42N/5W-27D2	Weed	12	71, 104, 165
	42N/5W-28J1	Weed	12	71, 166
	42N/5W-28Q1	Weed	12	72, 104, 166
	42N/5W-28R1	Weed	12	72, 104, 165, 166
James, Gordon C.	45N/7W-21R1	Yreka Creek	2	77, 169
Jarvis, Ralph J.	44N/7W-22H1	Grenada	5	47, 151
	44N/7W-22K1	Grenada	5	47, 151
Jenkins, Jerald	44N/6W-25F1	Grenada	5	46, 92, 149, 150
	(See Huesman Ditch)			
Jenner, John T.	43N/9W-34Q1	Etna	7	42, 89, 147
	43N/9W-34Q2	Etna	7	42, 147
	(See Hayden, Gladys)			
Johnson, Erick	45N/7W-23E1	Yreka Creek	2	78, 107, 169
Johnson, J. C.	(See Barker Ditch)			
Julien, R. E. H.	44N/6W-16M1	Grenada	5	45
	44N/6W-21A1	Grenada	5	46, 92, 150, C-17
	44N/6W-21A2	Grenada	5	46, 92, 150
	44N/6W-21C1	Grenada	5	46, 92, 150
	44N/6W-22D1	Grenada	5	46, 92, 150
Kellems, F. I.	(See Barker Ditch)			
Kellogg, Frank A. Ladewig, George	41N/5W-14Q1	Weed	15	69, 164
King, Kenneth Waters, Emily S.	43N/5W-26C1	Dwinnell Reservoir	9	33, 142
King, Kenneth Miller, Marvin L. and Inez M. Waters, Emily S.	43N/5W-26A1	Dwinnell Reservoir	9	33, 142
King, William H.	(See Barnam, Floyd)			
Klauser, H. F. and Paula	(See Aderholt, Hugh W.)			
Koppes, Simon	45N/6W-25L1	Little Shasta	2	53, 94, 155

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Kreutzer, F. J. and Alta	(See Musgrave and Linton Ditch)			
Krum, W. E.	(See Shastina Water Service)			
Ladewig, George	(See Kellogg, Frank A.)			
LaFevers, D. H.	(See Barnes, Glenn)			
Lane, Oliver P. and Lois H.	(See Babcock, Martin and Soule Ditch)			
Lange, Gerald	45N/7W-21F1	Yreka Creek	2	77, 107, 169
	45N/7W-21G1	Yreka Creek	2	77, 169
	45N/7W-21K1	Yreka Creek	2	77, 169
	45N/7W-21P1	Yreka Creek	2	77, 107, 169
	45N/7W-21P2	Yreka Creek	2	77, 169
	45N/7W-21Q1	Yreka Creek	2	77, 169
Lemos, Harold A. and Minnie I.	42N/5W-29C1	Parks Creek	12	62, 99, 161
Lemos, Harold A. and Minnie I. Little, Martin W. and Laura M.	42N/5W-20N1	Parks Creek	12	62, 99, 161
Lemos, Harry	42N/5W-33K2	Weed	12	72, 105, 167
Lemos, Harry Neal, A. W. and Alma Rucker, Laverne R. Solus, Ernest E. and Dororthy N.	42N/5W-33K1	Weed	12	72, 105, 166
Lemos, Harry Solus, Ernest E. and Dorothy N.	42N/5W-33L1	Weed	12	73, 105, 166, 167
Lemos, Joseph A.	45N/7W-3R1	Yreka Creek	2	77, 107, 169
Lemos, Mary	45N/6W-29H1	Little Shasta	2	54, 94, 155
	45N/6W-29H2	Little Shasta	2	54, 94, 155
Lewis, Robert E. and Louise	41N/9W-34D1	Callahan	13	30, 83, 139
Lilly, George	44N/10W-24B1	Lower Scott Valley	4	57, 96, 157
Linville, John H.	42N/5W-36M1	Weed	12	73, 105, 167
	42N/5W-36M2	Weed	12	73, 105, 167
Little, Martin W. and Laura M.	(See Lemos, Harold A. and Minnie I.)			
Little, Martin W. and Laura M. Nelson, Gus V.	42N/5W-20N1	Parks Creek	12	62, 99, 161
Lolax, Oscar A. and Edlean R.	41N/9W-21P1	Callahan	13	30, 138
	41N/9W-21Q1	Callahan	13	30
	41N/9W-22M2	Callahan	13	30, 83, 139
Long, Brice M. and Mildred B.	(See Musgrave and Linton Ditch)			
Louie, Ellis J.	43N/5W-3K1	Dwinnell Reservoir	9	31, 84, 140, 141
	43N/5W-3K2	Dwinnell Reservoir	9	31, 84, 140
	43N/5W-3Q1	Dwinnell Reservoir	9	32, 84, 140, 141
	43N/5W-9G1	Dwinnell Reservoir	9	32, 84, 141
	43N/5W-9G2	Dwinnell Reservoir	9	32, 84, 141
	43N/5W-9G3	Dwinnell Reservoir	9	32, 85, 141
	43N/5W-9R1	Dwinnell Reservoir	9	32, 85, 141
	43N/5W-10D1	Dwinnell Reservoir	9	33, 85, 141
	43N/5W-15D1	Dwinnell Reservoir	9	33, 141

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Diversion name or owner	Diversion Location	Subunit	References	
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Luckenmynor	(See Wright and Fletcher Ditch)			
Lytle, Warren	44N/10W-22R1	Lower Scott Valley	4	57, 96, 157
Smith, Travis	44N/10W-27H1	Lower Scott Valley	4	58, 97, 158
Machado, Toni Silva, Louis	44N/5W-28C1	Dwinnell Reservoir	6	34
Maggetti, Peter	(See Musgrave and Linton Ditch)			
Maplesden, C. V.	(See Barker Ditch)			
Marlow, E. H.	45N/7W-29N1	Yreka Creek	2	78, 170
Martin, Brice	45N/4W-29E1	Little Shasta	3	49
Martin, Bruce	(See Wright and Fletcher Ditch)			
Martin, Ida A.	45N/3W-14F1	Ball Mountain	3	28, 137
	45N/3W-15H1	Ball Mountain	3	28, 137
	45N/4W-20J1	Little Shasta	3	49, 152
	45N/4W-20Q1	Little Shasta	3	49, 153
	45N/4W-29A1	Little Shasta	3	49, 153
	45N/4W-29B1	Little Shasta	3	49, 153
	45N/4W-29C1	Little Shasta	3	49, 153
	45N/5W-25A1	Little Shasta	3	50, 153
Mason, John H. and Eleanor	41N/9W-22M1	Callahan	13	30, 83, 139
	(See William M. and Elsie E. Cory)			
Mason, Roy E.	(See Hullquist, Wilber and Grace)			
Mathews, W. D.	42N/9W-20N1	Etna	10	40, 146
Maxwell, Glen G.	42N/6W-10L1	Grenada	11	43, 90, 148
Mazzini, John J. and Lillian M.	(See Barnam, Floyd)			
McConnell, Carl	40N/7W-14A1	East Fork	17	35, 144, 145
	41N/7W-11F1	East Fork	14	36, 143
	41N/7W-11G1	East Fork	14	36, 143
	41N/7W-14B1	East Fork	14	36, 144
	41N/7W-16K1	East Fork	14	37, 144
	41N/7W-18G1	East Fork	14	37, 144
	41N/7W-19M1	East Fork	14	37, 144
	41N/7W-19N1	East Fork	14	37, 144
	41N/7W-20H1	East Fork	14	37, 144
	41N/7W-20R1	East Fork	14	37, 144
	41N/7W-30A1	East Fork	14	37, 144
	41N/7W-30M1	East Fork	14	38, 144
	41N/8W-25A1	East Fork	14	38, 145
	41N/8W-36A1	East Fork	14	38, 145
	42N/9W-9F1	Etna	10	40, 146
	42N/9W-17H1	Etna	10	40, 146
	42N/9W-17M1	Etna	10	40, 146
McNames, J. R.	42N/9W-29G2	Etna	10	41, 89, 146
McWilliams, Harold W.	45N/5W-3M1	Little Shasta	3	50, 153

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Meamber, Donald L.	45N/6W-22C1	Little Shasta	2	53, 94, 155, C-18
Prather, Morris L.	45N/6W-22F1	Little Shasta	2	53
Meline, Elmer H. and Inez Mary	41N/5W-11A1	Weed	15	68, 102, 164
	41N/5W-12C1	Weed	15	68, 102, 164
	41N/5W-12C2	Weed	15	68, 102, 164
	41N/5W-12D1	Weed	15	68, 102, 164
	41N/5W-13D2	Weed	15	68
Menenhall Brothers	43N/7W-1H1	Willow Creek	8	75, 168
	43N/7W-1J1	Willow Creek	8	75, 106, 168
	43N/7W-1R1	Willow Creek	8	75, 106, 168
Messerall, Charles O.	44N/4W-15G1	Dwinnell Reservoir	6	34, 142
	44N/4W-15Q1	Dwinnell Reservoir	6	34, 142
	44N/4W-21B1	Dwinnell Reservoir	6	34, 142
Miller, LeRoy and Marion	43N/5W-25M1	Dwinnell Reservoir	9	33, 85, 142
	(See Babcock, Martin and Soule Ditch)			
	(See King, Kenneth)			
Mills, Maybelle B.	42N/5W-15F1	Dwinnell Reservoir	12	31, 83, 140
	42N/5W-15M1	Dwinnell Reservoir	12	31, 83, 140
	42N/5W-16C1	Dwinnell Reservoir	12	31, 84, 140
	42N/5W-16N1	Dwinnell Reservoir	12	31, 84, 140
	42N/5W-20A1	Dwinnell Reservoir	12	31, 84, 140
	42N/5W-20A2	Dwinnell Reservoir	12	31, 84, 140
Mills Ranch Corporation	43N/6W-24E1	Grenada	8	44, 149
Milney, George, Estate of	44N/9W-13C1	McAdam Creek	4	60, 97, 159
	44N/9W-13C2	McAdam Creek	4	60, 159
	44N/9W-13M1	McAdam Creek	4	60, 98, 159
Montague Water Conservation District	42N/5W-29Q1	Parks Creek	12	63, 99, C-16, C-17, D-7
	45N/5W-26R2	Little Shasta		51, C-16
	(See Dwinnell Reservoir)			
Moore, Allen	40N/9W-23G1	South Fork	16	65, 100, 138, 162
Moore, George E.	(See Alger Ditch)			
More, Isabella C.	41N/6W-1A1	Parks Creek	14	61, 99, 160
	42N/5W-31J1	Parks Creek	12	63, 161
	42N/5W-31Q1	Parks Creek	12	63, 99, 161
	42N/5W-32E1	Parks Creek	12	63, 161
	42N/5W-32E2	Parks Creek	12	63
Mulloy, Con and Dennis	43N/10W-9H1	Lower Scott Valley	7	55, 95, 156
	43N/10W-14R1	Lower Scott Valley	7	56
Mulloy, Dennis	43N/10W-10J1	Lower Scott Valley	7	56, 95, 156
Murphy, Homer	41N/5W-21A1	Weed	15	69, 102, 164

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Musgrave and Linton Ditch Allen, Don Brown, Myrtle and Estate of Ira E. Buell, W. E. Day, Frank R. Dreyer, Anna Guerin, George H. and Linda Haight, Ira F. Kreutzer, F. J. and Alta Long, Brice M. and Mildred B. Maggetti, Peter O'Connor, Arthur and Lois L. Rohrer, J. B. White, Phoebe	45N/5W-25B2	Little Shasta	3	50, 93, 153, D-7
Neal, A. W. and Alma	42N/5W-28K1	Weed	12	72, 104, 166
	42N/5W-28P1	Weed	12	72, 104, 166
	42N/5W-33C1	Weed	12	72, 104, 166
	(See Lemos, Harry)			
Nelson, Gus. V.	42N/5W-18C1	Parks Creek	12	61, 160
	42N/5W-18C2	Parks Creek	12	61, 99, 160
	42N/5W-18L1	Parks Creek	12	61, 99, 161
	42N/5W-18L2	Parks Creek	12	62
	42N/5W-18N1	Parks Creek	12	62
	42N/5W-18P1	Parks Creek	12	62
	42N/5W-18Q1	Parks Creek	12	62
	42N/5W-18R1	Parks Creek	12	62, 99, 161
	42N/5W-19A1	Parks Creek	12	62, 99, 161
	42N/5W-19C1	Parks Creek	12	62, 99, 161
	(See Little, Martin W. and Laura M.)			
Nelson, Sedgley D.	43N/5W-5D1	Dwinnell Reservoir	9	32, 84, 141
	43N/5W-5D2	Dwinnell Reservoir	9	32, 149
North Fork Ditch Hammond, Dwight and Stuart	41/5W-34L1	Eddy Creek	15	39, 83, 109, 145
North Fork Ditch Ball, C. A. Fowler, C. C. Fowler, H. R. Halliday, W. J. Richman, R. E. Timmons, J. T. Tuttle, R. B.	41N/9W-21N1	Callahan	13	29, 83, 138, 139
Nunes, Aubrey J.	44N/4W-16R1	Dwinnell Reservoir	6	34, 85, 142
	44N/4W-28A1	Dwinnell Reservoir	6	34, 85, 142
O'Connor, Arthur	45N/5W-35B1	Little Shasta	3	52, 154
	45N/5W-35C1	Little Shasta	3	52
	(See Musgrave and Linton Ditch)			
Orr, A. D.	(See Barker Ditch)			
Orr, Sarah	44N/6W-20R1	Grenada	5	46, 91, 150
	44N/6W-29B1	Grenada	5	46, 92, 150

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Owens, Hazel	40N/8W-20R1	Callahan	16	28, 82, 137
	(See Hayden, Nerva M.)			
Parks Creek Ranch	42N/5W-29P1	Parks Creek	12	62, 161
	42N/5W-29P2	Parks Creek	12	63, 161
Payne, Larue	(See Brown, Josephine)			
Payton, J. A.	42N/7W-12G1	Willow Creek	11	74, 168
Pearson, Casey	44N/10W-26N1	Lower Scott Valley	4	58, 97, 158
	44N/10W-27L1	Lower Scott Valley	4	58, 97, 158
	44N/10W-27P1	Lower Scott Valley	4	58, 97, 158
	(See Burton, Ed)			
	(See Burton, Burnell)			
	(See Freitas Ditch)			
Pereira, John	43N/10W-14J1	Lower Scott Valley	7	56, 96, 157
Peters, H. J.	(See Huesman Ditch)			
Prather, Morris L.	45N/6W-33A1	Little Shasta	2	54, 95, 155
	45N/6W-34D1	Little Shasta	2	54, 95, 155
	(See Meamber, Donald L.)			
Price, J. L.	43N/6W-14N1	Grenada	8	44, 91, 149
	43N/6W-22R1	Grenada	8	44, 91, 149
	43N/6W-23N1	Grenada	8	44, 91, 149
	43N/6W-26C1	Grenada	8	45, 91, 149
Proctor, J. D. and Ruth A.	40N/9W-5C1	South Fork	16	64, 162
	41N/9W-32G1	South Fork	13	65,100, 162
Reynolds, D. L.	45N/5W-26R1	Little Shasta	3	51, 153
	45N/5W-35B2	Little Shasta	3	52, 154
	(See Hart, Gladys I.)			
Rich, Charles L.	40N/7W-7L1	East Fork	17	35, 85, 143
	40N/7W-8H1	East Fork	17	35, 86, 143
Richardson, A. E.	40N/7W-7D1	East Fork	17	35, 85, 143
Richman, R. E.	(See North Fork Ditch 41N/9W-21N1)			
	(See Ball, C. A.)			
Roberts, F. A. and Joy M.	45N/6W-7G1	Little Shasta	2	52, 94, 154
Robertson, Harry	42N/5W-19Q1	Parks Creek	12	62, 99, 161
	42N/6W-24K1	Parks Creek	11	63, 161
Rohrer, J. B.	(See Musgrave and Linton Ditch)			
Rohrer, J. B. Tamisiea, Minnie A.	45N/5W-34F1	Little Shasta	3	52, 154
Roland, G.	45N/6W-3E1	Little Shasta	2	52, 94, 154
Root (Mrs.)	(See Huesman Ditch)			

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Rose, George	(See Custer, C.) (See Wright and Fletcher Ditch)			
Rose, Manuel F. (Jr.)	45N/7W-29M1	Yreka Creek	2	78, 170
	45N/7W-30C1	Yreka Creek	2	78, 170
Rovito, Frank and Maria	41N/5W-12N1	Weed	15	68, 102, 164
Rucker, Laverne R.	(See Lemos, Harry)			
Salanti, Pete	41N/5W-2E1	Weed	15	67, 101, 163
Salt Lake Drummond, Charles T. and Ellen B.	44N/5W-29C1	Dwinnell Reservoir	6	34, 85, 150, C-18
Scott Valley Irrigation District	41N/9W-2B1	Callahan	13	29,82,138,146, C-16,D-8
	43N/9W-3H1	Lower Scott Valley	7	54,95,155,157,C-18,D-8
Selby, Gene	43N/10W-22P1	Lower Scott Valley	7	57,96, 156, 157
Serpa, Joe	(See Wright and Fletcher Ditch)			
Shastalite Block Company	44N/7W-3H1	Yreka Creek	5	75, 106
Shasta River Water Users Association	44N/6W-3N1	Little Shasta	5	48,93,150,152,D-9
Shastina Water Service Krum, W. E.	41N/5W-2R1	Weed	15	20, 67
	41N/5W-11H1	Weed	15	20, 68
Shelley, Dan	42N/6W-9P1	Grenada	11	43, 148
	42N/6W-9Q1	Grenada	11	43, 90, 148
	42N/6W-9R1	Grenada	11	43, 90, 148
	42N/6W-16C1	Grenada	11	43, 90, 148
	42N/6W-19A1	Willow Creek	11	74, 105, 148, 149
Shelley, L. L.	(See Babcock, Martin and Soule Ditch) (See Soule and Terwilliger Ditch)			
Shelley, L. L. Reynol[illegible], . .	45N/5W-25F1	Little Shasta	3	50, 153
Silva, Louis	(See Machado, Toni)			
Simmons, Frank Young, Leland	42N/9W-8M1	Etna	10	40, 88, 146
Smith, Travis	(See Lytle, Warren)			
Smith, W. H.	43N/10W-36L1	Etna	7	42, 89, 147
Soares, William	44N/9W-12K1	McAdam Creek	4	60, 97, 159
Solus, Ernest E. and Dorothy N.	42N/5W-33C2 (See Lemos, Harry)	Weed	12	72,104 , 166
Solus, Francis	42N/4W-19L1	Dwinnell Reservoir	12	31, 140
Soule, Cline	(See Soule and Terwilliger Ditch)			
Soule, Ella D.	(See Babcock, Martin and Soule Ditch)			
Soule and Terwilliger Ditch Shelley, L. L. Soule, Cline	45N/4W-19L2	Little Shasta	3	49, 93, 152, C-17

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Southern Pacific Company	41N/4W-18P1	Weed	15	66, 101, 163
Spada, Ernest and Rosina	42N/5W-21N1	Weed	12	70, 103, 140
	42N/5W-28D1	Weed	12	71, 104, 140, 165
	42N/5W-29A1	Weed	12	72, 104, 140, 166
Spada, Ernest and Rosina Sullivan, Lawrence E. and Myrtle P.	42N/5W-28C1	Weed	12	71, 104, 165
Star Ranch, Inc.	43N/9W-3H2	Lower Scott Valley	7	54, 95, 155, C-16
	(See Davidson, W. T.)			
Sudderath, Clifford	(See Alger Ditch)			
Sullivan, J. B.	40N/9W-21A1	South Fork	16	65, 162, C-15
	40N/9W-23N1	South Fork	16	65, 100, 162
Sullivan, Lawrence E. and Myrtle P.	42N/5W-28E2	Weed	12	71, 104, 166
	42N/5W-28K2	Weed	12	72, 104, 166
	(See Spada, Ernest and Rosina)			
Tamisiea, Minnie A.	45N/5W-33A1	Little Shasta	3	51, 154
	45N/5W-33C1	Little Shasta	3	51, 154
	45N/5W-33C2	Little Shasta	3	51, 154
	45N/5W-33D1	Little Shasta	3	51, 154
	45N/5W-33G1	Little Shasta	3	51, 154
	45N/5W-34D1	Little Shasta	3	51, 154
	45N/5W-34E1	Little Shasta	3	51, 154
	(See J. B. Rohrer)			
Taylor, James W.	43N/5W-3R1	Dwinnell Reservoir	9	32, 84, 141
	43N/5W-23H1	Dwinnell Reservoir	9	33, 141
Taylor, Ray	(See Barker Ditch)			
	(See Huddle, Thomas V.)			
Tebbe, Albert	(See Brown, Josephine)			
Terwilliger, Sidney F.	45N/4W-18G1	Little Shasta	3	48, 152
	45N/4W-20B2	Little Shasta	3	49, 152
	(See Harp Ditch)			
Tibbs, Jess L.	44N/9W-24P1	McAdam Creek	4	60, 98, 159
Timmons, J. T.	41N/9W-9L1	Callahan	13	29, 82, 138
	(See North Fork Ditch 41N/9W-21N1)			
	(See Ball, C. A.)			
Tozier Brothers	44N/10W-25N1	Lower Scott Valley	4	58
	44N/10W-35F1	Lower Scott Valley	4	59, 97, 158
	(See Bruce, Merle)			
	(See Chester, Henry)			
Tucker	(See Pearson, Casey)			
Tupper, Ellen	41N/5W-17F3	Weed	15	69, 102, C-18
Tuttle, R. B.	(See North Fork Ditch 41N/9W-21N1)			
	(See Ball, C. A.)			

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U. S. Bureau of Indian Affairs; Quartz Valley Indian Reservation	(See Camp Ditch) (See Freitas Ditch)			
Valentine, William W. (Jr.)	43N/5W-15R1	Dwinnell Reservoir	9	33, 141, C-16
	43N/5W-21B1	Dwinnell Reservoir	9	33, 141, 161
	43N/5W-22B1	Dwinnell Reservoir	9	33, 141, 161
Vanderbilt, George and Anita Zabella	41N/6W-1D1	Stewart Springs	14	66,100, 163
	41N/6W-2F1	Stewart Springs	14	66,100, 163
Vidrickson, H. L. and Louise C.	42N/5W-25N1	Weed	12	70, 103, 165
	42N/5W-25N2	Weed	12	70, 103, 165
	42N/5W-26J1	Weed	12	71, 165
	(See Belcastro, Mike) (See Hoy, A. B.)			
Victor, E. F.	(See Costa, Frances)			
Vincent, L. H.	42N/9W-4R1	Etna	10	39, 88, 146
	42N/9W-9G1	Etna	10	40, 88, 146
Wagner Brothers	42N/9W-22R1	Etna	10	41, 89, 146
	42N/9W-28J1	Etna	10	41, 89, 146
	(See Etna Mill Ditch)			
Walker, Vernon	(See Barker Ditch)			
Walter, Ernest and Zelma	44N/7W-9R1	Yreka Creek	5	76, 106, 169
	44N/7W-10M1	Yreka Creek	5	76, 106, 169
Walters, Larry	(See Davis, E. Orlo and Margaret A.)			
Wanaka, W. E.	44N/6W-31D1	Grenada	5	47, 92, 151
Waters, Emily S.	(See King, Kenneth)			
Watson, Donald E. and Illene D.	44N/6W-3M1	Little Shasta	5	48, 93, 152
	44N/6W-3N2	Little Shasta	5	48, 93, 152
	45N/5W-30J1	Little Shasta	3	51, 94,153, C-16, C-17
	45N/6W-34J1	Little Shasta	3	54, 155
Weed Ditch Folendorf, R. A.	43N/10W-9K1	Lower Scott Valley	7	55, 95, 156
Wellons, William	(See Alexander, Frank)			
White, Phoebe	(See Musgrave and Linton Ditch)			
Williams, Glen	44N/4W-4K1	Little Shasta	6	47, 151
Wolford Brothers	41N/9W-25G1	Callahan	13	30,
	(See Barnes, Glenn)			
Wright and Fletcher Ditch Custer, C. Glendenning Brothers Herman, H. Luckenbynor Martin, Bruce Rose, George Serpa, Joe	43N/10W-36N1	Etna	7	42, 90, 147, 157

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Young, A.	45N/7W-27R1	Yreka Creek	2	78
Young, Leland	42N/9W-7F1	Etna	10	40, 88, 146
	42N/9W-7J1	Etna	10	40, 88, 146
	(See Simmons, Frank)			
Yreka, City of	45N/7W-22J1	Yreka Creek	2	20, 78, 107
	45N/7W-23D1	Yreka Creek	2	20, 78, 107. C-17
	45N/7W-29L1	Yreka Creek	2	20, 78
	45N/7W-33A1	Yreka Creek	2	20, 79, 107, C-18
Zwanziger, Roger	42N/5W-36H2	Weed	12	73, 105, 167

CHAPTER III. LAND USE

A thorough understanding of historic and present land and water uses in Shasta-Scott Valleys Hydrographic Unit is essential to the determination of future water requirements in the area. The results of a survey of surface water facilities were presented in Chapter II. The results of a 1958 survey of present land uses are presented in this chapter.

Historical Land Use

The Shasta-Scott Valleys Hydrographic Unit, located in Siskiyou County, has followed a development pattern closely related to that of the county. Siskiyou County was formed by the State Legislature in 1852 from parts of Shasta County and the since-dissolved Klamath County. The California-Oregon Trail, a pack trail for gold miners in the early 1850's and a state route in the later 1850's, brought many pioneers and adventurers into and through the county's valleys and mountains.

Gold mining activities resulted in a rapid increase in population during the 1850's. However, as was the case in other gold mining areas of the State, a decline in population followed the depletion of the more readily accessible ore deposits.

During its early development period, agricultural production in Siskiyou County was characterized as self-sufficient and, because production was used largely for local consumption, it was relatively diversified. Aided by the presence of plentiful, cheap, and fertile land, agriculture was sufficiently developed by 1869 to support agricultural fairs in the county,

wherein field crops, orchards, dairies, and livestock were represented. The local demand for agricultural products created by the miners in the area then began to subside, and by 1877 the reduction in gold production had so seriously affected the local market for agricultural output that wool, butter, and flour were being shipped to the Sacramento Valley. Between 1869 and 1877, butter and cheese production declined, while hay and fruit production increased. During this time, the principal products were small grains, corn, beans, peas, potatoes, and other vegetables.

After 1900 the shift to beef cattle production in Siskiyou County was accelerated, and farm holdings became larger and less numerous. Total acreage in farm holdings increased from 455,900 acres in 1900 to 537,400 acres in 1920, while improved acreage declined from 186,100 to 166,600. Value of livestock on farms increased from $1,280,000 in 1900 to $2,085,000 in 1910, and to $3,788,000 in 1920. Principal crops in the county in 1920, in order of value, were hay and forage, cereals, vegetables, fruits, and nuts. Between 1910 and 1920, the land area under irrigation increased from 60,300 to 65,600 acres, and the number of irrigation systems increased from 455 to 572.

The lumber industry in Siskiyou County has existed since shortly after the county was formed, with Weed being the center of lumbering activity since about 1900. Lumber production has tended to follow the cycles of general business activity, and was relatively active in the 1920's, relatively inactive in the 1930's, and very active since 1945. Production since 1945 has increased from an annual output of 172 million board feet in that year, to an estimated 558 million board feet in 1958.

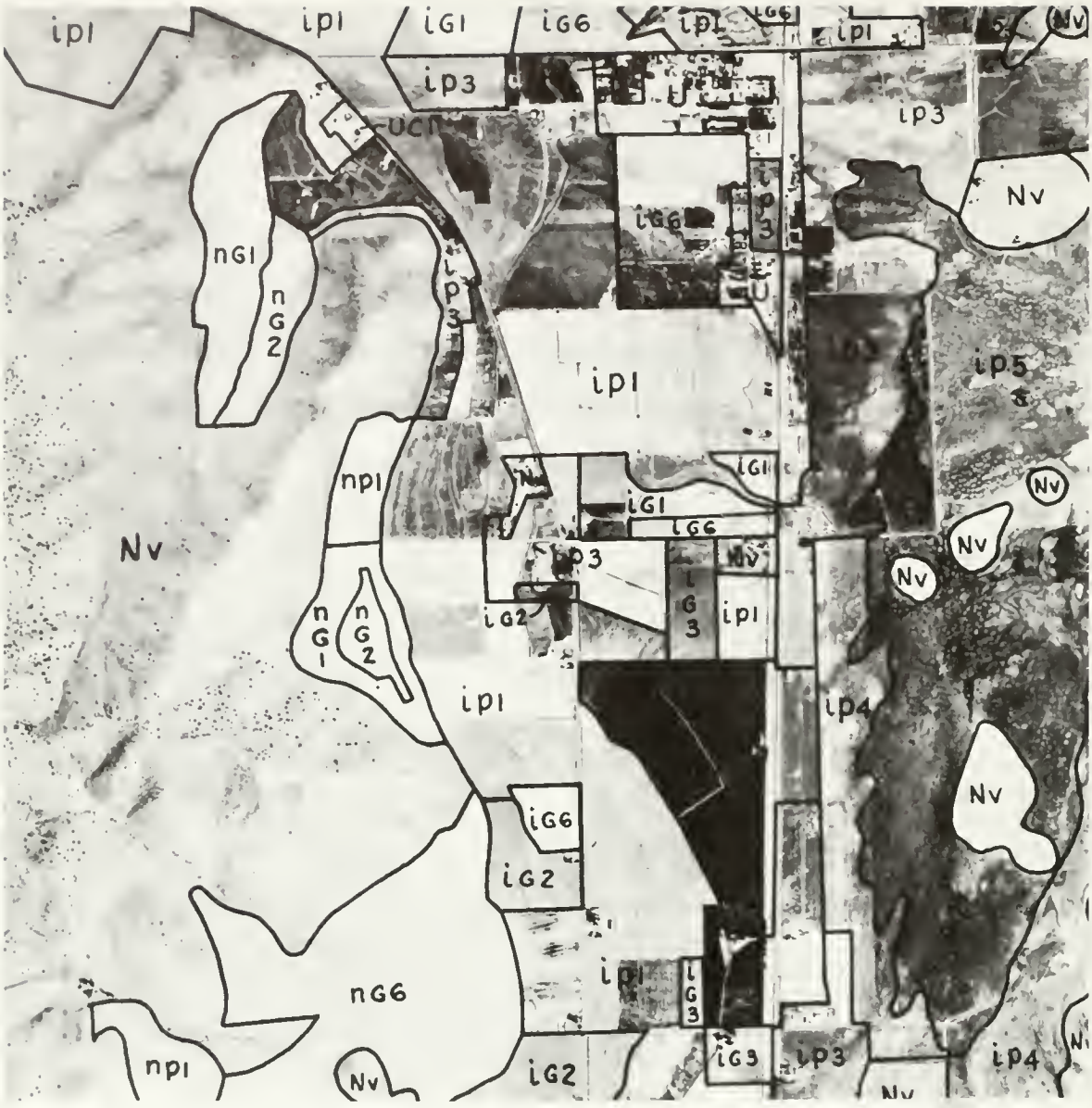
Present Land Use

A detailed land use survey was conducted in the Shasta-Scott Valleys Hydrographic Unit during the spring of 1958, in which the area was mapped according to the uses of the land, such as irrigated agriculture, dry-farmed agriculture, urban development, or recreational development. The results of this survey are presented on Sheets 1 through 18 of Plate 2, "Land and Water Use, Shasta-Scott Valleys Hydrographic Unit." The areas of land use within each subunit are listed in Table 8.

Methods and Procedures

The survey was accomplished by plotting field observations on aerial photographs having a scale of approximately 1 to 20,000. As the present use of each parcel of land was determined, it was delineated on the aerial photographs. The area was traversed by automobile as completely as roads and trails permitted. This coverage was supplemented by inspection on foot and stereoscopic studies of the photographs in areas not easily accessible. An example of an aerial photograph with delineated land use data is shown on page 134.

After completion of field mapping on these photographs, the delineations were transferred to U. S. Geological Survey quadrangle sheets at a scale of 1 to 24,000, in order to bring the various delineated areas to a common scale. The scale of aerial photographs is not uniform and changes rapidly in mountainous areas where there is considerable variation in elevation. After projection onto the quadrangle maps, the area of each



Example of Land Use Delineated on Aerial Photograph

Symbols used on this photograph:

iP1 - irrigated alfalfa
iP3 - irrigated mixed pasture
iP4 - irrigated native pasture
iP5 - irrigated meadow pasture
iG1 - irrigated barley
iG2 - irrigated wheat
iG3 - irrigated oats
iG6 - irrigated miscellaneous hay and grain

nP1 - dry farmed alfalfa
nG1 - dry farmed barley
nG2 - dry farmed wheat
nG6 - dry farmed miscellaneous hay and grain
U - urban
UC1 - urban commercial
NV - native vegetation

TABLE 8

LAND USE IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Subunit	Irrigated lands	Naturally high water table lands		Dry-farmed lands	Urban lands	Recreational lands
		Meadowlands	Marsh lands			
Ball Mountain	120	100	0	10	0	10
Callahan	5,320	0	0	1,180	100	0
Dwinnell Reservoir	7,600	120	80	3,860	10	0
East Fork	1,980	180	10	530	10	0
Eddy Creek	410	190	0	60	0	0
Etna	17,110	20	0	3,650	250	10
Grass Lake	0	470	1,180	0	10	10
Grenada	14,720	810	60	5,810	170	0
Kidder Creek	0	40	0	0	0	0
Little Shasta	18,160	130	20	18,930	500	0
Lower Scott Valley	6,540	40	0	1,050	30	0
McAdam Creek	790	0	0	1,750	130	0
Moffett Creek	130	0	0	500	10	0
Parks Creek	4,200	960	30	390	0	0
Shackleford Creek	0	360	0	0	0	0
South Fork	400	340	0	0	0	0
Stewart Springs	70	60	0	10	0	10
Weed	3,870	160	0	130	720	40
Willow Creek	220	30	0	1,160	0	0
Yreka Creek	1,000	10	0	1,360	1,340	10
TOTALS	82,620	4,020	1,380	40,380	3,280	90

parcel of land was determined. These are gross areas without reduction for roads, farmsteads, canals, and other rights-of-way which occur within the mapped areas.

Irrigated Lands

Irrigated lands, as presented in this report, include all agricultural lands which receive applied water. The area irrigated within each subunit is reported in Table 9 by diversion and by crop. Although the irrigated lands are tabulated under the name of the subunit within which the lands are located, it should be noted that the diversion serving the lands may originate in another subunit.

In Table 9, irrigated lands are segregated into pasture, alfalfa hay and pasture, grain, hay, truck and field crops, orchard, and into those lands which are normally irrigated but which were idle or fallow during the year of survey. Pasture lands are subdivided into mixed, native, and meadow pasture, the latter comprising native pasture lands having a high water table induced by application of irrigation water. Grain is subdivided into barley, wheat, and oats. Hay is subdivided into alfalfa hay, and miscellaneous and mixed hay and grain. Truck crops are subdivided into potatoes and miscellaneous truck. Field crops are subdivided into sugar beets and corn. Orchard is subdivided into apples and miscellaneous deciduous.

On the land and water use maps, Plate 2, lands irrigated by surface water are shown in three categories: (1) those which received a full irrigation in 1958, (2) those which received

TABLE 9

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					BALL MOUNTAIN SUBUNIT										
45N/3W-9A1	Goose Nest Properties, Inc.			19								19			19
45N/3W-9A2	Goose Nest Properties, Inc.			25								25			25
45N/3W-14F1	Ida A. Martin			29								29			29
45N/3W-15H1	Ida A. Martin			42								42			42
Total	Ball Mountain Subunit	0	0	115	0	0	0	0	0	0	0	115	0	0	115
					CALLAHAN SUBUNIT										
40N/8W-17J1	Alger Ditch	25	27		11							63			63
40N/8W-20R1	Hazel Owens		3									3			3
40N/9W-1C1	Bonnie Fowler		27									27			27
40N/9W-1J1	Farmers Ditch Co.	761	88		413	28	20	20	58		2	1,390*	30		1,420*
40N/9W-1R1	C. W. Birdwell												15		15
40N/9W-4Q1 40N/9W-7H1 (South Fork Subunit)	Alfonso Fuglistaler	28			4						1	33			33
40N/9W-5K1 (South Fork Subunit)	H. Jorgen and Elinore Danielson		5									5			5
40N/9W-11J1	Glenn Barnes D. H. LaFevers	60	119									179			179
40N/9W-11Q1	C. W. Birdwell												15		15
40N/9W-12F1	C. W. Birdwell		36									36			36
40N/9W-12F2	C. W. Birdwell		4									4			4

* - Includes 102 acres normally irrigated jointly with 41N/9W-13E1.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					CALLAHAN SUBUNIT (Continued)										
40N/9W-15K1 (South Fork Subunit)	Andrew L. Darbee		80									80			80
40N/9W-23G1 (South Fork Subunit)	Allen Moore		94									94			94
41N/9W-2B1	Scott Valley Irrigation District	58			110	24			25			217			217
41N/9W-9L1	J. T. Timmons	33	64	3								100			100
41N/9W-10G1 41N/9W-15L1	C. A. Ball R. E. Richman H. Green C. A. Ball	19							16			35			35
41N/9W-10R1	C. A. Ball R. E. Richman	27			31	32		16				106			106
41N/9W-11E1 41N/9W-11F1	C. A. Ball	150										150			150
41N/9W-15A1	C. A. Ball V. Berthelson	13			14							27			27
41N/9W-15G1	H. Green	13		31	39							83			83
41N/9W-15G1 41N/9W-28B1	H. Green Elsie E. and William M. Cory John H. and Eleanor Mason H. Green	31			63	22						116			116
41N/9W-15L1	C. A. Ball R. E. Richman H. Green	25			186	25		40	10			286			286
41N/9W-21N1	North Fork Ditch	99	140	6	244	137		2				628	27		655
41N/9W-21P1	Oscar A. and Edlean R. Lolax	8			5							13			13

TABLE 9 (Continued)

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					CALLAHAN SUBUNIT (Continued)										
41N/9W-22M1	John H. and Eleanor Maeon	86			13							99			99
41N/9W-22M2	Oscar A. and Edlean R. Lolax	30			8							38			38
41N/9W-22P1	Eleie E. and William M. Cory				22			3				25			25
41N/9W-24F1	Suzie N. Denny, et al	81				73			37			191			191
41N/9W-25F1	Glenn Barnes H. A. Fisher D. H. LaFevers Wolford Brothers	87	9		180	73			47			396		7	403
41N/9W-28B1	Elsie E. and William M. Cory John H. and Eleanor Mason H. Green	36	2		2			13	11		1	65			65
41N/9W-28C1	Henry and May Aker	5										5			5
41N/9W-32A1 (South Fork Subunit)	Harry M. and Martha B. Bemrod Walter L. and Barbara B. Byer	57	11									68			68
41N/9W-34D1	Robert E. and Louise Lewis		45			29						74			74
42N/9W-28Q1 (Etna Subunit) 41N/9W-21N1	W. J. Halliday North Fork Ditch	14		2	79	95		7				197	272		496
Lands irrigated by ground water		106			14							120			120
Total Callahan Subunit		1,852	754	42	1,438	538	20	101	204	0	4	4,953	359	7	5,319

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M				DWINNELL RESERVOIR SUBUNIT											
42N/4W-19L1	Francis Solis	7		13								20			20
42N/5W-15F1	Maybelle B. Mills	24										24			24
42N/5W-15M1	Maybelle B. Mills	37										37			37
42N/5W-16C1	Maybelle B. Mills		38					45				83			83
42N/5W-16N1	Maybelle B. Mills		81					15				96			96
42N/5W-20A1	Maybelle B. Mills	21		273								294			294
42N/5W-20A2	Maybelle B. Mills		24									24	3		27
42N/5W-21N1 (Weed Subunit) 42N/5W-28D1 (Weed Subunit) 42N/5W-29A1 (Weed Subunit)	Ernest and Rosina Spada	45	2									47			47
42N/5W-22C2	Samuel C. Jackson			19								19			19
42N/5W-22L1 (Weed Subunit) 42N/5W-22C1	Samuel C. Jackson	59										59			59
42N/5W-22R1 (Weed Subunit)	Samuel C. Jackson				14	19						33			33
42N/5W-28E1 (Weed Subunit)	Frank Alexander William Wellons		25		6							31			31
43N/5W-3K1	Ellis J. Louie	399										399			399
43N/5W-3K2 43N/5W-3K1	Ellis J. Louie	31										31			31
43N/5W-3Q1	Ellis J. Louie	20										20			20

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M				DWINNELL RESERVOIR SUBUNIT (Continued)											
43N/5W-3R1	James W. Taylor	249	2	20	98							369	16		385
43N/5W-3R1 43N/5W-23H1	James W. Taylor	10	42									52			52
43N/5W-3R2	Big Springs Irrigation District	1,496	40	2	422	57		4	15	34	2	2,072	50	10	2,132
43N/5W-5D1	Sedgley D. Nelson	103				35						138			138
43N/5W-9G1 43N/5W-3K1 43N/5W-3Q1	Ellis J. Louie			213								213			213
43N/5W-9G2 43N/5W-9G3	Ellis J. Louie	87	3	20								110			110
43N/5W-9R1	Ellis J. Louie	75										75	8		83
43N/5W-9R1 43N/5W-10D1	Ellis J. Louie	65										65			65
43N/5W-10D1	Ellis J. Louie	19		84								103			103
43N/5W-15D1	Ellis J. Louie			56								56			56
43N/5W-15R1	William W. Valentine, Jr.			167								167			167
43N/5W-15R1 43N/5W-23H1	William W. Valentine, Jr. James W. Taylor			129								129			129
43N/5W-21B1	William W. Valentine, Jr.	159										159			159
43N/5W-22B1	William W. Valentine, Jr.	148										148			148
43N/5W-23H1	James W. Taylor	359	61	58								478			478

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M		DWINNELL RESERVOIR SUBUNIT (Continued)													
43N/5W-25L1	Dwinnell Reservoir	103	5		416				76			600	26		626
43N/5W-25M1	Marvin L. and Inez M. Miller	99	58									157	56		213
43N/5W-26A1	Kenneth King Marvin L. and Inez M. Miller Emily S. Waters	7	17									24			24
43N/5W-26C1 43N/5W-26A1	Kenneth King Emily S. Waters Kenneth King Marvin L. and Inez M. Miller Emily S. Waters	146	13	14								173			173
44N/4W-15G1 44N/4W-15Q1	Charles O. Messerall	125										125			125
44N/4W-16R1 44N/4W-28A1	Aubrey J. Nunes	45										45			45
44N/4W-21B1	Charles O. Messerall		18									18			18
44N/4W-28M1	Donald and J. Coonrod	24			97	111						232			232
44N/5W-20J1	Cloak Lake Charles T. and Ellen B. Drummond	22		65								87			87
Lands irrigated by ground water		138	—	12	224	13	—	7	9	—	—	403	—	15	418
Total Dwinnell Reservoir Subunit		4,122	429	1,145	1,277	235	0	71	100	34	2	7,415	159	25	7,599

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M						EAST FORK SUBUNIT									
40N/7W-7D1	A. E. Richardson	10	11									21			21
40N/7W-7L1	Charles L. Rich	15										15			15
40N/7W-7L2	Laurence Franklin	34	8									42			42
40N/7W-8H1	Charles L. Rich	21	74									95		11	106
40N/7W-18C1	Mrs. W. C. Harmon												11		11
40N/7W-18E1	Laurence Franklin	12										12			12
40N/7W-20A1	Laurence Franklin	15			3							18			18
40N/8W-2B1	Nerva M. Hayden												12		12
40N/8W-2Q1	Nerva M. Hayden		28									28			28
40N/8W-13L1	Frank J. Hayden	9										9			9
40N/8W-14G1	Frank J. Hayden												20		20
40N/8W-15Q1	R. B. Hayden												13		13
40N/8W-15R1	Nerva M. Hayden Hazel Owens	35	14		7							56			56
40N/8W-22L1	Rodney Hamilton		6									6			6
40N/8W-22L2 40N/8W-22F1 40N/8W-35E1	Rodney Hamilton		26									26			26
40N/8W-22P1 40N/8W-35E1	Rodney Hamilton		56									56			56
40N/8W-23B1	Frank J. Hayden	34										34			34
40N/8W-23D1	Frank J. Hayden	7										7			7
41N/7W-11G1 41N/7W-11F1	Carl McConnell	56										56			56

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
H D B & M					EAST FORK SUBUNIT (Continued)										
41N/7W-14B1	Carl McConnell	40										40			40
41N/7W-14D1	Rodney Gregg		12									12			12
41N/7W-15E1	Rodney Gregg		9									9			9
41N/7W-15F1	Rodney Gregg	52	55						24			131			131
41N/7W-15F1 41N/7W-16P1	Rodney Gregg	36	2									38			38
41N/7W-16H1 40N/6W-8M1	Rodney Gregg		13									13			13
41N/7W-16K1	Carl McConnell	7	10									17			17
41N/7W-16P1 40N/6W-8M1	Rodney Gregg	45		5								50			50
41N/7W-18G1	Carl McConnell				72							72			72
41N/7W-19M1 41N/7W-19N1	Carl McConnell	3			2				17			22			22
41N/7W-20H1	Carl McConnell	299	7								2	308			308
41N/7W-20R1 40N/7W-14A1	Carl McConnell		14									14			14
41N/7W-21P1 40N/7W-13A1	Rodney Gregg		6									6			6
41N/7W-28H1 41N/7W-21C1 40N/7W-13A1	Rodney Gregg	20										20			20
41N/7W-30A1 40N/7W-14A1	Carl McConnell	199			39							238			238
41N/7W-30M1 40N/7W-14A1	Carl McConnell	6										6			6
41N/8W-23C1	Dudley-Parker Ranch	18										18			18

TABLE 9 (Continued)

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
EAST FORK SUBUNIT (Continued)															
M D B & M															
41N/8W-23C2	Dudley-Parker Ranch	72	11		65							148			148
41N/8W-25A1	Carl McConnell	17										17			17
41N/8W-34A1	Dudley-Parker Ranch	18			11							29			29
41N/8W-34J1	Nerva M. Hayden								8			8			8
41N/8W-34R1	Nerva M. Hayden												6		6
41N/8W-36A1 40N/7W-1AA1	Carl McConnell	17	42									59			59
41N/8W-36K1	Clyde E. Fowler	26			5							31			31
41N/8W-36P1	Clyde E. Fowler	18	3									21			21
Lands sub-irrigated		73			7				21			101			101
Total	East Fork Subunit	1,214	407	5	211	0	0	0	70	0	2	1,909	62	11	1,982
EDDY CREEK SUBUNIT															
41N/5W-21P1	Dwight Hammond		8									8			8
41N/5W-21R1	Dwight Hammond	43										43			43
41N/5W-28M1 41N/5W-33B1 41N/5W-33B2 41N/5W-33C1	Stuart Hammond		55									55			55
41N/5W-34L1 (Import from Shasta Lake Hydrographic Unit)	North Fork Ditch Dwight and Stuart Hammond	245	20	39								304			304
Total	Eddy Creek Subunit	288	83	39	0	0	0	0	0	0	0	410	0	0	410

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M						ETNA SUBUNIT									
41N/9W-2B1	Scott Valley Irrigation District	1,039	32	18	1,827	332	94	101	264			3,707	35	14	3,756
42N/9W-4R1 42N/9W-9G1	L. H. Vincent	272	61									333			333
42N/9W-7F1 42N/9W-7J1	Leland Young	129			143	29		29				330	16		346
42N/9W-8M1	Frank Simmons Leland Young		14[a]		101[a]	10[a]						125			125
42N/9W-9F1	Carl McConnell	1,067										1,067		43	1,110
42N/9W-9G1	L. H. Vincent	152										152			152
42N/9W-17H1 42N/9W-17M1	Carl McConnell	274			154	15			14			457			457
42N/9W-17H2 42N/9W-16E1	Ernest Bigham	78		8		90						176		38	214
42N/9W-17M1	Carl McConnell	251			195	44						490			490
42N/9W-17M2	Margaret Bigham	21			48	19						88			88
42N/9W-20N1	W. D. Mathews	15			69							84			84
42N/9W-22R1 42N/9W-32R1	Wagner Brothers	79										79			79
42N/9W-26L1	F. Douglas Horn	6										6	13		19
42N/9W-27M1	F. Douglas Horn	77[a]	7[a]			115[a]	57[a]		16[a]			272			272
42N/9W-28J1	Wagner Brothers	23		24	16							63		64	127
42N/9W-29G1 42N/9W-29H1	Carl Hammond	32			140	15		15	33			235			235
42N/9W-29G2	J. R. McNames	65			50				7			122			122
42N/9W-32R1	Etna Mill Ditch	327	5		130	133	154		28			777	3		780

a - Received partial irrigation.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
					ETNA SUBUNIT (Continued)										
M D B & M															
42N/9W-33E1	Kenneth Depew		23									23			23
43N/9W-2G1 (McAdam Cr. Subunit)	W. T. Davidson Star Ranch, Inc.				38	2						40			40
43N/9W-11M1	B. F. Davidson		84		229	22						335			335
43N/9W-28G1	Glendenning Brothers	272							37			309			309
43N/9W-31A1	Thomas V. Huddle	265										265			265
43N/9W-33C1	Thomas V. Huddle Ray Taylor	16										16			16
43N/9W-34Q1	John T. Jenner	103			120	19						242			242
43N/9W-34Q2	John T. Jenner					42						42			42
43N/10W-35R1	Barker Ditch	1,451			122				94		8	1,675	11		1,686
43N/10W-36L1	W. H. Smith	7										7			7
43N/10W-36M1	Wright and Fletcher Ditch	355	288		687	86	15	12	165			1,608			1,608
Lands irrigated by ground water and sub-irrigated lands		947	756	6	851	338	183	108	539	___	___	3,731	___	16	3,741
Total Etna Subunit		7,323	1,273	56	4,920	1,311	503	265	1,197	0	8	16,856	78	175	17,109
					GRASS LAKE SUBUNIT										
					(No diversions located in this subunit)										

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
						GRENADA SUBUNIT									
M D B & M															
41N/5W-9P1 (Weed Subunit) 41N/5W-6D1 (Parks Cr. Subunit)	Edson-Foulke Yreka Ditch Co.	262	79	299	500	454	480		101			2,175		201	2,376
42N/6W-2P1 41N/5W-9P1 (Weed Subunit)	Edson L. Foulke	9		16	30	14			40			109		4	113
42N/6W-2P1 42N/6W-2P2	Edson L. Foulke			6								6			6
42N/6W-2P2	Edson L. Foulke	10		10								20			20
42N/6W-3H1 41N/5W-9P1 (Weed Subunit)	Edson L. Foulke	177		468	53							698			698
42N/6W-3R1	Fred Carpenter				26				12			38			38
42N/6W-9P1	Dan Shelley					16						16			16
42N/6W-9Q1	Dan Shelley		14		97	67	35					213			213
42N/6W-9Q1 42N/6W-19A1 (Willow Cr. Subunit)	Dan Shelley					143						143			143
42N/6W-9R1	Dan Shelley	14				32						46			46
42N/6W-10L1	Glen G. Maxwell					8						8			8
42N/6W-16C1	Dan Shelley					10	19					29			29
42N/6W-16C1 42N/6W-19A1 (Willow Cr. Subunit)	Dan Shelley		15		60		23					98			98
42N/6W-16E1	Howard Damron													62	62

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
					GRENADA SUBUNIT (Continued)										
M D B & M															
42N/6W-17K1 (Willow Cr. Subunit)	Howard Damron	14	5		24	12						55			55
42N/6W-17L1 (Willow Cr. Subunit)	Howard Damron					21	34					55			55
42N/6W-19A1 (Willow Cr. Subunit)	Dan Shelley				117							117			117
42N/6W-24M1 (Parks Cr. Subunit)	Ernest Bridwell			77								77			77
43N/5W-5D2	Sedgley D. Nelson												46		46
43N/5W-6D1	Grenada Irrigation District	324	51		775	181	84	37	89			1,541			1,541
43N/5W-6D2	Huesman Ditch	348	64	705	31	15			13			1,176			1,176
43N/5W-6D2 44N/6W-25F1	Huesman Ditch Jerald Jenkins			171	31							202			202
43N/6W-2L1	Samuel Bruinsma		172	7								179			179
43N/6W-11B1	Samuel Bruinsma			12								12			12
43N/6W-23N1 43N/6W-14N1 43N/6W-22R1 43N/6W-26C1	J. L. Price	308		313								621		18	639
43N/6W-24E1	Mills Ranch Corp.			87								87			87
43N/6W-25D1	Edson L. Foulke			114								114			114
43N/6W-26H1	Edson L. Foulke			12								12	38		50
43N/6W-26H2	Edson L. Foulke			23								23			23

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					GRENADA SUBUNIT (Continued)										
43N/6W-3LR1 41N/5W-9P1 (Weed Subunit)	Edson L. Foulke	38	22	287	40							387			387
41N/5W-20J1 41N/5W-20P1 41N/5W-29C1	Charles T. and Ellen B. Drummond	100	5	13								118			118
41N/5W-19G1 41N/5W-20M1	Charles T. and Ellen B. Drummond			55								55			55
41N/5W-20M1	Charles T. and Ellen B. Drummond			3								3	7		10
41N/6W-3N1 (Little Shasta River Subunit)	Shasta River Water Users Association	717	12	263	291	138	7	30	16			1,474			1,474
41N/6W-3R1	John L. Doren	11			91				26			128			128
41N/6W-4R1	John L. Doren	16										16			16
41N/6W-10A1	Williard and Merl Freeman	32				19						51			51
41N/6W-11L1	John L. Doren			33								33			33
41N/6W-14A1	Roland Ekstrom			5	9							14			14
41N/6W-20R1	Sarah Orr				128	14						142			142
41N/6W-21A1	R. E. H. Julien					27			26		5	58			58
41N/6W-21A2	R. E. H. Julien	12			23							35		19	54
41N/6W-21C1	R. E. H. Julien				26							26			26
41N/6W-22D1 41N/6W-21A2	R. E. H. Julien	30							38			68		9	77
41N/6W-25F1	Jerald Jenkins		12	75								87			87
41N/6W-26C1	Samuel Bruinsma		39	73								112			112
41N/6W-26M1	Samuel Bruinsma			117								117			117
41N/6W-29B1	Sarah Orr				75							75			75

TABLE 9 (Continued)

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					GRENADA SUBUNIT (Continued)										
44N/6W-29E1	William J. Gallarda	17[a]										17			17
44N/6W-30H1 44N/6W-30H2	William J. Gallarda				8				16			24			24
44N/6W-30K1 44N/6W-30P1	William J. Gallarda						18					18			18
44N/6W-31D1	W. E. Wanaka				8							8			8
44N/6W-35E1	Samuel Bruinsma		52	107								159			159
44N/6W-35E2	Samuel Bruinsma	7	87	121								215			215
44N/7W-22H1	Ralph J. Jarvis												14		14
44N/7W-22K1	Ralph J. Jarvis												23		23
Lands irrigated by ground water		401	270	99	621	103	91		179	4	3	1,771	67	119	1,957
Lands sub-irrigated		___	15	995	___	___	___	___	___	___	___	1,010	___	___	1,010
Total	Grenada Subunit	2,847	914	4,566	3,064	1,274	791	67	556	4	8	14,091	195	432	14,718
					KIDDER CREEK SUBUNIT										
					(No diversions located in this subunit)										
					LITTLE SHASTA SUBUNIT										
43N/5W-25L1 (Dwinnell Reservoir Subunit)	Dwinnell Reservoir	1,275	238	214	2,031	304	145	7	388	35		4,637	137	720	5,494
44N/4W-4E1	E. Orlo and Margaret A. Davis					32						32			32
44N/4W-4K1	Glen Williams	29										29			29

a - Received partial irrigation.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LITTLE SHASTA SUBUNIT (Continued)										
44N/4W-5J1	E. Orlo and Margaret A. Davis Larry Walters	13				21						34			34
44N/4W-5K1 44N/4W-5L2	E. Orlo and Margaret A. Davis				45							45			45
44N/4W-5L1	E. Orlo and Margaret A. Davis				37							37			37
44N/6W-3M1	Donald E. and Illene D. Watson			79								79			79
44N/6W-3N1	Shasta River Water Users Association	2,138	32	42	293	41		64	88			2,698			2,698
44N/6W-3N2	Donald E. and Illene D. Watson	20		85								105			105
44N/6W-4J1 44N/6W-4R1	John L. Doren	13										13			13
44N/6W-11L1 (Grenada Subunit)	John L. Doren			9	5							14			14
45N/4W-16B1	Harp Ditch	24										24			24
45N/4W-16B1 45N/4W-18G1	Sidney F. Terwilliger		7	25								32			32
45N/4W-19L1	Alfred C. and Viola M. Edmonds	26	4									30			30
45N/4W-19L2	Soule and Terwilliger Ditch	156	16	138	123	4	8	20	17			482	6	148	636
45N/4W-20B1 45N/4W-30K2	Haight, Deter, and Kegg Ditch Harris R. and Edyth R. Connick	509	22	325	15							871	11	50	932
45N/4W-20B2	Sidney F. Terwilliger	100										100			100
45N/4W-20J1	Ida A. Martin	43										43			43

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LITTLE SHASTA SUBUNIT (Continued)										
45N/4W-20Q1	Ida A. Martin	6										6			6
45N/4W-20Q1 45N/4W-29A1	Ida A. Martin	17						8				25			25
45N/4W-29B1	Ida A. Martin	26										26			26
45N/4W-29C1	Ida A. Martin	164										164			164
45N/4W-30A1	Gladys I. Hart				108			30				138		22	160
45N/4W-30K1	E. Orlo and Margaret A. Davis	35		48	109	19						211	12		223
45N/5W-3M1	Harold W. McWilliams				77	5			13			95			95
45N/5W-25A1	Ida A. Martin				12							12		21	33
45N/5W-25B1	Babcock, Martin, and Soule Ditch	123	15	222	30	39			40			469	2		471
45N/5W-25B2	Musgrave and Linton Ditch	248	25	241	128	6	4	26			11	689	2	34	725
45N/5W-25B2	Musgrave and Linton Ditch	98	2		339	77	50	43	2			611		36	647
43N/5W-25L1 (Dwinnell Reservoir Subunit)	Dwinnell Reservoir					-									
45N/5W-25B3 45N/5W-25B1	Gladys I. Hart Babcock, Martin, and Soule Ditch	260		1,171	102				3			1,536			1,536
45N/5W-25F1	L. L. Shelley D. L. Reynolds			26								26		41	67
45N/5W-26R1	D. L. Reynolds												5	6	11
45N/5W-30J1	Donald E. and Illene D. Watson	107	30	67		4						208			208
45N/5W-32H1	Earl B. and Mildred O. Flock	96		84	397	103		49	21			750			750

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LITTLE SHASTA SUBUNIT (Continued)										
45N/5W-33A1	Minnie A. Tamieiea				10							10			10
45N/5W-33C1	Minnie A. Tamisiea		10	48								58			58
45N/5W-33C1 45N/5W-33C2 45N/5W-33D1 45N/5W-33G1	Minnie A. Tamisiea			109								109			109
45N/5W-34D1	Minnie A. Tamisiea	4						13				17		10	27
45N/5W-34E1	Minnie A. Tamisiea								11			11		13	24
45N/5W-34F1	J. B. Rohrer Minnie A. Tamisiea			239								239			239
45N/5W-35B1	Arthur O'Connor													38	38
45N/5W-35B2	D. L. Reynolde				10							10			10
45N/5W-35F1	Gladys I. Hart			226								226			226
45N/6W-35	G. Roland	6	3		28	27						64			64
45N/6W-7G1	F. A. and Joy M. Roberte	93		5	1							99			99
45N/6W-8A1	Paul Clement				28							28			28
45N/6W-8F1 43N/5W-25L1 (Dwinnell Reservoir Subunit)	Mrs. Bertha Clement Dwinnell Reservoir	86										86			86
45N/6W-18H1	Henry Fiock	8										8			8
45N/6W-20A1 45N/6W-20Q1	Earl B. and Mildred O. Fiock Henry Fiock	144							9			153			153
45N/6W-20Q1	Earl B. and Mildred O. Fiock Henry Fiock	52		15								67			67

TABLE 9 (Continued)

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LITTLE SHASTA SUBUNIT (Continued)										
45N/6W-20Q2	Antonio Ditch	152		65								217			217
45N/6W-21F1	Earl B. and Mildred O. Fiock	48		30								78			78
45N/6W-22C1	Donald L. Meamber Morris L. Prather	54		8								62			62
45N/6W-25L1	Simon Koppes	5	77	25	15				2			124			124
45N/6W-28Q1	Earl B. and Mildred O. Fiock			51	4							55			55
45N/6W-29H1	Mary Lemos			6								6			6
45N/6W-29H2	Mary Lemos			16	15							31			31
45N/6W-33K1	George Fiock	7		19	21							47			47
45N/6W-34D1 45N/6W-33A1	Morris L. Prather	63			23							86			86
45N/6W-34J1	Donald E. and Illene D. Watson		34	12								46			46
Lands irrigated by ground water		93	4		99	29	34		18		4	281	21	13	315
Lands sub-irrigated		—	22	299	—	—	—	—	—	—	—	321	—	—	321
Total	Little Shasta Subunit	6,341	541	3,949	4,105	711	241	260	612	35	15	16,810	196	1,152	18,158
					LOWER SCOTT VALLEY SUBUNIT										
43N/9W-3D1	Ivan R. Howell				23							23			23
43N/9W-3H1	Scott Valley Irrigation District	193	21	3	673	293	24	11	5		3	1,226*	42	30	1,298*
43N/9W-3H2 43N/9W-2G1 (McAdam Cr. Subunit)	Star Ranch, Inc.	27	100		421	70	62					680			680

* - Includes 24 acres normally irrigated jointly with 44N/9W-28R1.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LOWER SCOTT VALLEY SUBUNIT (Continued)										
43N/9W-8B1	C. Custer George Rose	129			115			6				250			250
43N/9W-17N1 43N/9W-20E1 43N/9W-31D1 (Etna Subunit)	Stanley M. Friden	158										158			158
43N/9W-20D1	Stanley M. Friden	31			11							42			42
43N/9W-20E1	Stanley M. Friden	10										10			10
43N/9W-20E1 43N/9W-20M1	Stanley M. Friden	12			48							60			60
43N/9W-20M1	Stanley M. Friden	17										17			17
43N/9W-31D1 (Etna Subunit)	Stanley M. Friden	32[a]	5[a]		132[a]			13[a]	42[a]			224			224
43N/10W-2K1	Henry Chester												2		2
43N/10W-2Q1	Freitas Ditch	59			8				12			79			79
43N/10W-2Q1 43N/10W-10E1	Freitas Ditch Camp Ditch	89			112			17	34			252			252
43N/10W-9C1 43N/10W-9L1	John Heide	157			28				10			195			195
43N/10W-9H1	Con and Dennis Mulloy	47	131									178			178
43N/10W-9K1	Weed Ditch		83		55							138			138
43N/10W-9K1 43N/10W-22P1	Weed Ditch Gene Selby	125	6		148				34			313			313
43N/10W-10E1	Camp Ditch	44	52			3						99			99
43N/10W-10F1 43N/10W-11C1	Donald Hahn Josephine Dangle, et al.	30			89							119			119
43N/10W-10J1	Dennis Mulloy	132	78									210			210

a - Received partial irrigation.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LOWER SCOTT VALLEY SUBUNIT (Continued)										
43N/10W-11C1	Josephine Dangle, et al.					10						10			10
43N/10W-11Q1	Josephine Dangle, et al.				6							6			6
43N/10W-11Q1 43N/10W-11K1	Josephine Dangle, et al.	6			2				24			32			32
43N/10W-14J1	John Pereira	14	15						14			43			43
43N/10W-22P1	Gene Selby	10	61						68			139		43	182
43N/10W-36M1	Wright and Fletcher Ditch	126	4		98			42				270	32		302
44N/9W-22G1	Wilber and Grace Hullquist Roy E. Mason				25	7						32			32
44N/9W-22G1 43N/9W-3H1	Wilber and Grace Hullquist Scott Valley Irrigation District				97			1	33			131	7		138
44N/9W-22N1	John Crechriou				20	19						39			39
44N/9W-28H1	Aron Fincher				3	11						14			14
44N/9W-31C1 44N/9W-31D1	C. W. Birdwell	11			95							106			106
44N/10W-21J1	James Eastlick				22	22						44			44
44N/10W-22R1	Warren Lytle Travis Smith	9[a]										9			9
44N/10W-24B1	George Lilly	22										22			22
44N/10W-25C1	Merle Bruce	13			20							33			33
44N/10W-25F1	Merle Bruce Tozier Brothers	22			158	78	25		11			294			294

a - Received partial irrigation.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					LOWER SCOTT VALLEY SUBUNIT (Continued)										
44N/10W-26N1 44N/10W-35P2	Burnell Burton Ed Burton Casey Pearson	87										87			87
44N/10W-27H1	Warren Lytle Travis Smith				10[a]				52[a]			62			62
44N/10W-27P1	Casey Pearson		13									13			13
44N/10W-28A1	James Eastlick												24		24
44N/10W-34K1	Ed Burton Casey Pearson	4	20					14				38			38
44N/10W-34K1 44N/10W-27L1	Ed Burton Casey Pearson				122							122			122
44N/10W-35C1	Burnell Burton	13						28				41			41
44N/10W-35F1	Tozier Brothers	10										10			10
44N/10W-35F1 44N/10W-35P1	Henry Chester Tozier Brothers	242										242			242
44N/10W-35P1	Henry Chester Tozier Brothers	10						8				18			18
44N/10W-35P2	Burnell Burton Ed Burton Casey Pearson	12	5					29	21			67			67
Lands irrigated by ground water		82			45							127			127
Lands sub-irrigated		—	39	—	—	—	—	—	—	—	—	39	—	—	39
Total Lower Scott Valley Subunit		1,985	633	3	2,586	513	111	169	360	0	3	6,363	107	73	6,543
					McADAM CREEK SUBUNIT										
44N/8W-22L1	Frances Costa				21							21			21
44N/8W-26F1	Frances Costa	5	6		13	3						27			27

o-Received partial irrigation.

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					McADAM CREEK SUBUNIT (Continued)										
44N/8W-27G1	Frances Costa Joe Deas E. F. Victor	27	20		129		6		15			197			197
44N/8W-27L1	Frances Costa				36	13			6			55			55
44N/9W-12K1	William Soares		12		3	9						24			24
44N/9W-13C1 44N/9W-13C2	George Milney Estate		30									30			30
44N/9W-13M1	George Milney Estate				55		4					59			59
44N/9W-13N1	Hugh W. Aderholt		20		84				10			114			114
44N/9W-24D1	Hugh W. Aderholt				48							48			48
44N/9W-24P1	Jess L. Tibbs				154							154			154
Lands irrigated by ground water		23	—	—	40	—	—	—	—	—	—	63	—	—	63
Total	McAdam Creek Subunit	55	88	0	583	25	10	0	31	0	0	792	0	0	792
					MOFFETT CREEK SUBUNIT										
43N/7W-18G1	M. L., Harold L., Charles and Bonnie Cramer				26							26			26
43N/8W-2K1	Fred Cramer				43							43			43
43N/8W-12K1	M. L., Harold L., Charles and Bonnie Cramer				8							8			8
43N/8W-13G1	M. L., Harold L., Charles and Bonnie Cramer	9										9			9

TABLE 9 (Continued)

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					MOFFETT CREEK SUBUNIT (Continued)										
43N/8W-13G2	M. L., Harold L., Charles and Bonnie Cramer								10			10			10
44N/8W-36N1	Fred Cramer	—	—	—	35	—	—	—	—	—	—	35	—	—	35
Total	Moffett Creek Subunit	9	0	0	112	0	0	0	10	0	0	131	0	0	131
					PARKS CREEK SUBUNIT										
41N/5W-4F1 (Weed Subunit)	Floyd Barnum William H. King John J. and Lillian M. Mazzini		51									51			51
41N/5W-9B1 (Weed Subunit)	Dwight Hammond	17		72								89			89
41N/5W-9P1 (Weed Subunit) 41N/5W-6D1	Edson-Foulke Yreka Ditch Co.	189		295								484			484
41N/6W-1A1	Isabella C. More	86	67	16					75			244			244
42N/5W-5Q1	Grissom Ranch			625								625			625
42N/5W-5Q1 42N/5W-8C1	Grissom Ranch	192				49						241			241
42N/5W-7H1	Grissom Ranch				71				28			99			99
42N/5W-8C1	Grissom Ranch		52									52			52
42N/5W-8P1 42N/5W-7K1	Grissom Ranch	76	87			22						185			185
42N/5W-18C1	Gus V. Nelson												22		22
42N/5W-18C2	Gus V. Nelson		9									9			9

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					PARKS CREEK SUBUNIT (Continued)										
42N/5W-18L1	Gus V. Nelson		18									18			18
42N/5W-18R1	Gus V. Nelson			3								3			3
42N/5W-19A1	Gus V. Nelson		54	37								91			91
42N/5W-19C1	Gus V. Nelson			7								7			7
42N/5W-19Q1	Harry Robertson	28		147	14							189			189
42N/5W-20N1	Martin W. and Laura M. Little		19	21								40			40
42N/5W-29C1	Gus V. Nelson Harold A. and Minnie I. Lemos														
42N/5W-20N1	Harold A. and Minnie I. Lemos Martin W. and Laura M. Little	28		12								40			40
42N/5W-29C1	Harold A. and Minnie I. Lemos			42								42			42
42N/5W-29P1	Parks Creek Ranch								13			13			13
42N/5W-29P2	Parks Creek Ranch		63	40								103			103
42N/5W-31J1 42N/5W-32E1	Isabella C. More													25	25
42N/5W-31Q1	Isabella C. More	17	18	168								203			203
42N/6W-24K1	Harry Robertson			39								39			39
42N/6W-24M1	Ernest Bridwell			136								136			136
43N/5W-20B1	Laura M. Cawley	93		211					9			313			313
43N/5W-21B1 (Dwinnel Reservoir Subunit)	William W. Valentine, Jr.	121		156	16							293			293

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
						PARKS CREEK SUBUNIT (Continued)									
M D B & M															
43N/5W-28B1 43N/5W-32A1	Grissom Ranch			259								259			259
43N/5W-33M1	Grissom Ranch			52								52			52
Lands sub-irrigated				238								238			238
Total	Parks Creek Subunit	847	438	2,576	101	71	0	0	125	0	0	4,158	22	25	4,205
						SOUTH FORK SUBUNIT									
40N/9W-4Q1 40N/9W-7H1	Alfonso J. Fuglietaler	25										25			25
40N/9W-5C1	J. D. and Ruth A. Proctor												6		6
40N/9W-21A1	J. B. Sullivan		35									35			35
40N/9W-23G1	Allen Moore		3									3			3
40N/9W-23N1	J. B. Sullivan		126									126			126
40N/9W-24R1	Dick Hayden	38										38			38
40N/9W-25J1	L. B. Bergsnyder	48										48			48
41N/9W-32G1	J. D. and Ruth A. Proctor	40						4				44			44
41N/9W-33R1 40N/9W-5K1	H. Jorgen and Elinore Danielson	80										80			80
Total	South Fork Subunit	231	164	0	0	0	0	4	0	0	0	399	6	0	405

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion Location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					STEWART SPRINGS SUBUNIT										
41N/6W-1D1	George and Anita Zabella Vanderbilt	40										40			40
41N/6W-2F1	George and Anita Zabella Vanderbilt	29										29			29
		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total Stewart Springs Subunit		69	0	0	0	0	0	0	0	0	0	69	0	0	69
					WEED SUBUNIT										
40N/5W-21C1 (Eddy Creek Subunit)	Dwight and Stuart Hammond	133		34								167			167
41N/4W-6P1	International Paper Company	58	24									82			82
41N/4W-18P1	Southern Pacific Company		3									3			3
41N/5W-1H1 41N/5W-1H2	International Paper Company	109										109			109
41N/5W-2E1	Pete Salanti	82										82			82
41N/5W-3C1	Charles S. and Dora Davidson		3									3			3
41N/5W-3D1	Mike Belcastro		4									4			4
41N/5W-4F1	Floyd Barnum William H. Kling John J. and Lillian M. Mazzini	47	124	50	12							233			233
41N/5W-5H1	Stuart Hammond	8	10									18			18

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					WEED SUBUNIT (Continued)										
41N/5W-9B1	Dwight Hammond	29	4	70								103			103
41N/5W-9G1	Ples Connolly			7	11							18			18
41N/5W-9P2	Dwight Hammond				23							23			23
41N/5W-11A1 41N/5W-12C1	Elmer H. and Inez Mary Meline	27										27			27
41N/5W-12C2	Elmer H. and Inez Mary Meline	4										4			4
41N/5W-12D1 41N/5W-12C2	Elmer H. and Inez Mary Meline	15										15			15
41N/5W-12N1	Frank and Maria Rovito	27	49	17					13			106			106
41N/5W-14Q1	Frank A. Kellog George Ladewig												41	64	105
41N/5W-16D1	Dwight Hammond	6		5								11			11
41N/5W-16Q1	Dwight Hammond			14					4			18			18
41N/5W-17F1	Gertrude Crechriou				39							39			39
41N/5W-17F2 41N/5W-5K1 41N/5W-9P1	Dwight and Stuart Hammond Stuart Hammond Edson-Foulke Yreka Ditch Co.	153	161	68								382			382
41N/5W-21A1	Homer Murphy	103										103			103
41N/5W-21A2	Dwight Hammond	3										3			3
41N/5W-21A2 41N/5W-21R1 (Eddy Cr. Subunit)	Dwight Hammond	67		29								96			96
41N/5W-21L1 41N/5W-21C1 41N/5W-16E1	Dwight Hammond		135									135			135

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					WEED SUBUNIT (Continued)										
41N/5W-21R1 (Eddy Cr. Subunit)	Dwight Hammond	24										24			24
42N/5W-21Q1	Samuel C. Jackson	44		16								60			60
42N/5W-22R1	Samuel C. Jackson	31				6						37			37
42N/5W-22R1 42N/5W-22P1	Samuel C. Jackson	35		13								48			48
42N/5W-23P1	A. B. Hoy	13			5							18			18
42N/5W-25N1	H. L. and Louise C. Vidrickson	36		13								49			49
42N/5W-25P1	Mike Belcastro														
42N/5W-26J1	H. L. and Louise C. Vidrickson														
42N/5W-25P2	A. B. Hoy	19			27							46			46
	H. L. and Louise C. Vidrickson														
42N/5W-25N2	H. L. and Louise C. Vidrickson														
42N/5W-26B1	A. B. Hoy	3			3							6			6
42N/5W-26B1 42N/5W-26H1	A. B. Hoy	24										24			24
42N/5W-26F1	A. B. Hoy	41		3								44			44
42N/5W-26H1	A. B. Hoy	73	6	15	12	10						116			116
42N/5W-27D1 42N/5W-27D2 42N/5W-28R1	Samuel C. Jackson	35		30	12	10						65			65
42N/5W-28C1	Ernest and Rosina Spada	37										37			37
	Lawrence E. and Myrtle P. Sullivan														
42N/5W-28D1	Ernest and Rosina Spada														

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					WEED SUBUNIT (Continued)										
42N/5W-28E1	Frank Alexander William Wellons		12									12			12
42N/5W-28E2	Lawrence E. and Myrtle P. Sullivan			36								36			36
42N/5W-28K1	A. W. and Alma Neal			20								20			20
42N/5W-28K2	Lawrence E. and Myrtle P. Sullivan	13		10								23			23
42N/5W-28P1 42N/5W-33K1	A. W. and Alma Neal Harry Lemos A. W. and Alma Neal Laverne R. Rucker Ernest E. and Dorothy N. Solus			45								45			45
42N/5W-28Q1 42N/5W-28R1	Samuel C. Jackson	21										21			21
42N/5W-28R1 42N/5W-28J1	Samuel C. Jackson	88		59								147			147
42N/5W-29A1	Ernest and Rosina Spada	22										22			22
42N/5W-33C1	A. W. and Alma Neal	29				10						39			39
42N/5W-33C2 42N/5W-33L1	Ernest E. and Dorothy N. Solus Harry Lemos Ernest E. and Dorothy N. Solus			30								30			30
42N/5W-33K1	Harry Lemos A. W. and Alma Neal Laverne R. Rucker Ernest E. and Dorothy N. Solus	61			14							75			75

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					WEED SUBUNIT (Continued)										
42N/5W-33K2	Harry Lemoe	27										27			27
42N/5W-33L1	Harry Lemos Ernest E. and Dorothy N. Solus			5								5			5
42N/5W-34K1	Willard R. Caldwell				22							22			22
42N/5W-35A1	Mike Belcastro	159		4	7							170		2	172
42N/5W-35B1 42N/5W-35A1	Mike Belcastro				8							8			8
42N/5W-35L1	Joe Belcastro	42										42			42
42N/5W-36B1	Mike Belcastro	25		4	5							34		14	48
42N/5W-36H1	Cecile Carrick Crooks Mae Carrick Cody	93	43	50	118			11				315			315
42N/5W-36H2	Roger Zwanziger	111	3	59	50		18					241			241
42N/5W-36M1	John H. Linville	7										7			7
42N/5W-36M2	John H. Linville	10		7								17			17
Total	Weed Subunit	1,994	581	706	363	26	18	11	17	0	0	3,716	41	80	3,837
					WILLOW CREEK SUBUNIT										
42N/6W-7Q1	James Damron				32							32			32
42N/6W-17L1	Howard Damron					2						2			2
42N/6W-17N1	Howard Damron				20		17					37			37
42N/6W-19Q1	Kathryn Heinsen					7						7			7
42N/6W-19Q2 42N/6W-19K1	Kathryn Heinsen	5				9						14			14

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					WILLOW CREEK SUBUNIT (Continued)										
42N/6W-19K2	Kathryn Heinsen			14								14			14
42N/6W-19M1	Gertrude Crechriou												20		20
42N/6W-30B1	Kathryn Heinsen							20				20			20
42N/7W-12G1	J. A. Payton				18							18			18
42N/7W-24R1	Gertrude Crechriou					5					2	7			7
42N/7W-25C1	Bertha A. Ashburn								4			4			4
43N/7W-1H1	Menenhall Brothers				12							12			12
43N/7W-1J1	Menenhall Brothers	5			12							17			17
43N/7W-1R1 43N/7W-1J1	Menenhall Brothers								16			16			16
Total	Willow Creek Subunit	10	0	14	94	23	17	20	20	0	2	200	20	0	220
					YREKA CREEK SUBUNIT										
44N/7W-4K1	Laura M. Cawley				53							53			53
44N/7W-4K1 44N/7W-8A1	Laura M. Cawley Fred W. Burton				43							43			43
44N/7W-5L1	Fred W. Burton				11							11			11
44N/7W-5Q1 44N/7W-8G1	Fred W. Burton				28							28			28
44N/7W-7J1 44N/7W-8M1 44N/7W-8Q1	Fred W. Burton					26						26			26
44N/7W-7R1	Fred W. Burton	13			17		12					42			42
44N/7W-8A1	Fred W. Burton				9							9			9
44N/7W-8G1	Fred W. Burton				14		5					19			19

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					YREKA CREEK SUBUNIT (Continued)										
44N/7W-8K1	Fred W. Burton				11							11			11
44N/7W-8K2 44N/7W-8K3	Fred W. Burton				56		9		12			77			77
44N/7W-8K4	Fred W. Burton						8					8			8
44N/7W-8Q1	Fred W. Burton				7							7			7
44N/7W-8Q2	Fred W. Burton						3					3			3
44N/7W-9R1	Ernest and Zelma Walter				87							87		5	92
44N/7W-10F1	W. B. Flock	5										5			5
44N/7W-10M1	Ernest and Zelma Walter				25							25			25
44N/7W-11P1	Ben Brazie	28			158							186			186
44N/7W-3R1	Joseph A. Lemos								15			15			15
45N/7W-9J1 45N/7W-10M1	Normond L. Girard				37							37	3		40
45N/7W-10R1	C. E. Burgess								4			4			4
45N/7W-21F1	Gerald Lange	2			11		6		3			22			22
45N/7W-21K1 45N/7W-21Q1 45N/7W-21R1	Gerald Lange Gordon C. James				25							25			25
45N/7W-21P1	Gerald Lange							5				5			5
45N/7W-21P2 45N/7W-21Q1	Gerald Lange				22							22			22
45N/7W-23E1	Erick Johnson				62							62			62

TABLE 9 (Continued)

IRRIGATED LANDS IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Diversion location	Diversion name or owner	Pasture			Alfalfa hay and pasture	Grain			Hay	Truck and field crops	Orchard	Total lands irrigated	Idle	Fallow	Total
		Mixed	Native	Meadow		Barley	Wheat	Oats							
M D B & M					YREKA CREEK SUBUNIT (Continued)										
45N/7W-29L2	Josephine Brown B. R. Culp Larue Payne Albert Tebbe					8[a]			22[a]			30			30
45N/7W-29M1	Manuel F. Rose, Jr.				25			10				35			35
45N/7W-29N1	E. H. Marlow	3										3			3
45N/7W-30C1	Manuel F. Rose, Jr.	14										14			14
45N/7W-30R1	Bob E. Dodson				16							16			16
45N/7W-34P1	Mrs. Glen Hill				23[a]							23			23
45N/8W-24R1	Joe De Rose	27										27			27
Lands irrigated by ground water					11							11			11
Total Yreka Creek Subunit		92	0	0	751	34	43	15	56	0	0	991	3	5	999
Summary:															
Lands irrigated by ground water		843	274	111	1,054	145	125	7	206	4	7	2,776	88	147	3,011
Lands sub-irrigated		73	76	1,532	7	0	0	0	21	0	0	1,709	0	0	1,709
Lands irrigated by ground water and sub-irrigated		947	759	6	851	338	183	108	539	0	0	3,731	0	16	3,747
Lands irrigated by surface water		27,416	5,164	11,567	17,693	4,278	1,446	868	2,592	69	37	71,130	1,160	1,822	74,112
TOTAL SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT		29,279	6,273	13,216	19,605	4,761	1,754	983	3,358	73	44	79,346	1,248	1,985	82,579

a - Received partial irrigation.

only a partial irrigation because of insufficient water supply, and (3) those lands usually irrigated but which were idle or fallow in 1958. Lands irrigated by ground water are separately delineated.

Naturally High Water Table Lands

In addition to the lands which receive applied water as described above, there are lands supporting vegetation utilizing water from a naturally high water table, such as mountain meadows or lands adjacent to lakes and streams. These are shown in Table 8 as "Meadowlands," and on Plate 2 as "naturally irrigated meadowlands." If standing water is observable in an area on which tules, cattails, bullrushes, and similar vegetation is growing, the area is shown in Table 8 and on Plate 2 as "Marshlands."

Dry-Farmed Lands

Dry-farmed lands are those cropped areas which do not receive water in excess of natural precipitation, and lands that are normally planted to dry-farmed crops but which at the time of the survey were tilled but not planted, i.e., fallow lands. Also included in this category are lands formerly dry-farmed, but which were lying idle at the time of the survey. If a field had been idle long enough to revert to its native condition, it was mapped as native vegetation. Dry cattle rangelands which are indistinguishable from lands with native cover, not used for grazing purposes, are similarly mapped as native vegetation. Water used in both cases is identical and is dependent upon precipitation.

Irrigating Alfalfa, Scott Valley

Department of Water Resources Gaging Station, "Little Shasta River Near Montague"

Urban Lands

Urban lands include the total areas of cities and towns, small communities, and industrial areas of approximately 3 acres or more. These are gross delineations, including streets and vacant lots. The lower density limit used to identify urban lands in this survey was one residence per 2 acres.

Recreational Lands

Recreational lands include camp and trailer sites, resorts, and permanent and summer homes in predominantly recreational areas, as well as motels and other commercial establishments which provide services to such areas. This category also includes parks located outside delineated urban areas. As in the case of urban lands, these delineated areas are not necessarily fully developed.

Native Vegetation

Lands which are essentially in a native state, and not included in any of the above categories, as well as scattered residences and other isolated uses too small to be delineated, were mapped as "native vegetation." However, in addition to the lands so mapped, the total acreage reported in this native vegetation category includes lands which were mapped as water surface and farm building areas, including dairies, feed lots, etc. The total of all these lands was some 800,000 acres, or about 86 percent of the Shasta-Scott Valleys Hydrographic Unit, in 1958. Most of these lands, even in their native state, are used for commercial timber production, livestock range, and recreational activities such as fishing, hunting, hiking, and picnicking.

CHAPTER IV. LAND CLASSIFICATION

Calculations of future water requirements will be based in part on a classification of lands with regard to their potential for irrigated agricultural and recreational development. The results of such a land classification survey in the Shasta-Scott Valleys Hydrographic Unit are presented in this chapter.

The former Division of Water Resources made a reconnaissance classification of lands of the State which was reported in State Water Resources Board Bulletin No. 2. A more detailed land classification survey was performed by the department and reported in Department of Water Resources Bulletin No. 83, "Klamath River Basin Investigation," dated July 1964, and Bulletin No. 58, "Northeastern Counties Investigation," dated June 1960. The area of the Shasta-Scott Valleys Hydrographic Unit was included in each of these bulletins. The present investigation uses the same basic land classification survey which was used in Bulletins Nos. 83 and 58, but additional data on classification of recreational lands have been included, along with some minor modifications to the irrigable agricultural lands, and a remapping of the present urban lands.

Lands were not classified in this survey with respect to their potential for urban development. The use of lands for urban purposes is closely related to population at any given time, and it is planned to defer designation of these lands until estimates of population and related economic studies are made in connection with determinations of future water requirements.

Methods and Procedures

Lands were classified by field inspection. The areas were mapped on aerial photographs in the field, and the total area of each parcel of land was determined by methods similar to those described for the survey of present land use.

The standards used in the classification of lands are given in detail in Table 10.

Results of the land classification survey are delineated on Plate 3, "Classification of Lands, Shasta-Scott Valleys Hydrographic Unit," sheets 1 through 18. The areas of land classification within each subunit are shown in Table 11.

TABLE 10

LAND CLASSIFICATION STANDARDS

Land class symbol	Characteristics
	Irrigable Lands
V	These lands are level or slightly sloping, and vary from smooth to hummocky or gently undulating relief. The maximum allowable slope is six percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils have medium to deep effective root zones, are permeable throughout, and are free of salinity, alkalinity, rock, oroother conditions limiting crop adaptability of the land. These lands are suitable for all climatically adapted crops.
H	These are lands with greater slope and/or relief than those of the V class. They vary from smooth to moderately rolling or undulating relief. The maximum allowable slope is 20 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.

Example of Land Classification Delineated on Aerial Photograph
(See page 176 for symbol explanation)

TABLE 10 (continued)

LAND CLASSIFICATION STANDARDS

Land class symbol:	Characteristics
M -	These are lands with greater slope and/or relief than those of the H class. They vary from smooth to steeply rolling or undulating relief. The maximum allowable slope is 30 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.

Any variation from the foregoing, as defined, is indicated by use of one or more of the following symbols:

w - Indicates the presence of a high water table, which in effect limits the present crop adaptability of these lands to pasture crops. Drainage and a change in irrigation practice would be required to affect the crop adaptability.

s - Indicates the presence of an excess of soluble salts or exchangeable sodium in slight amounts, which limits the present adaptability of these lands to crops tolerant to such conditions. The presence of salts within the soil generally indicates poor drainage and a medium-to-high water table. Reclamation of these lands will involve drainage and the application of small amounts of amendments, and some additional water over and above crop requirements, in order to leach out the harmful salts.

ss - Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of moderate amounts of amendments and some additional water over and above crop requirements, in order to effect reclamation.

h - Indicates very heavy textures, which make these lands best suited for production of shallow-rooted crops.

l - Indicates fairly coarse textures and low moisture-holding capacities, which, in general, make these lands unsuited for the production of shallow-rooted crops because of the frequency of irrigations required to supply the water needs of such crops.

p - Indicates shallow depth of the effective root zone, which limits use of these lands to shallow-rooted crops.

TABLE 10 (continued)

LAND CLASSIFICATION STANDARDS

Land class symbol:	Characteristics
r -	Indicates the presence of rock on the surface or within the plow zone in sufficient quantity to prevent use of the land for cultivated crops.
	Urban Lands
UD -	The total area of cities, towns, and small communities presently used for residential, commercial, recreational, and industrial purposes.
	Recreational Lands
RR -	Existing and potential permanent and summer home tracts within a primarily recreational area. The estimated number of houses, under conditions of full development, is indicated by a number in the symbol, i.e., RR-3 is suitable for three houses per acre.
RC -	Existing and potential commercial areas which occur within a primarily recreational area and which include motels, resorts, hotels, stores, etc.
RT -	Existing and potential camp and trailer sites within a primarily recreational area.
P -	Existing and potential county, state, federal, and private parks, racetracks, and fairgrounds.
	Miscellaneous Lands
F -	Presently forested lands, or lands subject to forest management, which meet the requirements for irrigable land but which, because of climatic conditions and physiographic position, are better suited for timber production or some type of forest management program, rather than for irrigated agriculture.
Vm -	Swamp and marshlands which usually support a heavy growth of phreatophytes, and are covered by water most of the time.
N -	Includes all lands which fail to meet the requirements of the above irrigable, urban, and recreational and miscellaneous classes.

TABLE II
CLASSIFICATION OF LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT
(in acres)

Subunit	Irrigable agricultural lands																				Present urban lands	Recreational lands					Miscellaneous lands	
	Smooth lying										Gently sloping					Steeply sloping				Total								
	V	Vw	VI	Vp	Vr	Vpr	Vs	Vps	Vss	Vso	H	HI	Hp	Hr	Hpr	M	Mp	Mr	Mpr		U	RR	RC	RT	PP	Total	F	Vm
Ball Mountain	220	220	0	0	0	0	0	0	0	0	40	0	0	20	0	0	0	0	0	500	0	0	0	30	0	30	6,950	0
Callahan	5,000	40	0	0	100	0	0	0	0	0	3,080	0	430	0	0	1,360	940	50	0	11,000	100	0	0	0	0	0	70	0
Dwinnell Reservoir	11,140	1,270	5,490	0	9,120	20	0	160	30	0	760	150	870	740	370	160	50	30	30	30,390	10	0	0	20	0	20	16,750	80
East Fork	2,000	180	0	0	120	0	0	0	0	0	1,740	0	490	0	70	1,040	1,500	0	230	7,370	10	80	0	30	0	110	1,130	10
Eddy Creek	20	230	0	0	0	0	0	0	0	0	470	0	0	160	40	90	10	50	0	1,070	0	0	0	0	0	0	520	0
Etna	22,410	80	0	0	2,560	0	0	0	0	0	4,140	0	120	80	0	1,160	10	0	0	30,560	250	10	0	20	10	40	0	0
Grass Lake	230	470	0	0	0	0	0	0	0	0	120	20	0	30	10	0	0	0	0	880	10	0	0	30	0	30	2,350	1,170
Grenada	15,230	5,380	0	0	3,640	0	2,080	0	0	140	2,730	0	1,240	620	450	60	290	0	0	31,820	170	0	0	0	0	0	20	60
Kidder Creek	0	40	0	0	0	0	0	0	0	0	20	0	0	0	0	70	0	0	0	130	0	50	0	120	0	170	650	0
Little Shasta	24,440	4,080	0	2,050	3,000	3,010	330	0	1,170	150	3,580	0	8,270	720	1,550	120	1,010	0	420	53,950	500	0	0	0	0	0	0	20
Lower Scott Valley	9,290	50	0	0	1,620	0	0	0	0	0	2,580	0	0	590	0	730	0	0	240	15,800	30	630	0	50	0	680	420	0
McAdam Creek	2,250	0	0	0	50	0	0	0	0	0	1,520	0	0	10	0	300	0	0	0	4,160	130	40	0	100	0	140	40	0
Moffett Creek	830	10	0	0	0	0	0	0	0	0	90	0	0	0	0	230	20	0	0	1,180	10	0	0	20	0	20	290	0
Parks Creek	2,470	3,530	0	240	730	70	270	140	0	0	100	0	10	910	770	0	140	0	40	9,420	0	0	0	0	0	0	0	30
Shackleford Creek	30	360	0	0	0	0	0	0	0	0	160	0	0	0	0	0	0	80	0	630	0	320	0	60	0	380	510	0
South Fork	10	340	0	0	0	0	0	0	0	0	400	0	50	190	0	980	30	0	0	2,000	0	0	0	110	0	110	1,150	0
Stewart Springs	50	70	0	0	70	0	0	0	0	0	70	0	0	190	0	0	10	0	0	460	0	40	20	0	0	60	250	0
Weed	1,630	860	760	0	680	0	0	0	0	0	1,790	540	0	1,260	60	110	90	100	0	7,880	720	0	0	0	40	40	1,570	0
Willow Creek	430	40	0	0	0	0	0	0	0	0	2,340	0	370	240	10	240	480	0	0	4,150	0	0	0	0	0	0	50	0
Yreka Creek	1,720	10	0	10	0	0	0	0	0	0	2,300	0	930	0	0	130	600	0	0	5,700	1,340	50	0	30	0	80	340	0
TOTAL	100,180	17,260	6,250	2,300	21,650	3,100	2,680	300	1,200	290	28,030	710	12,780	5,760	3,330	6,780	5,180	310	960	219,050	3,280	1,220	20	620	50	1,910	33,060	1,370

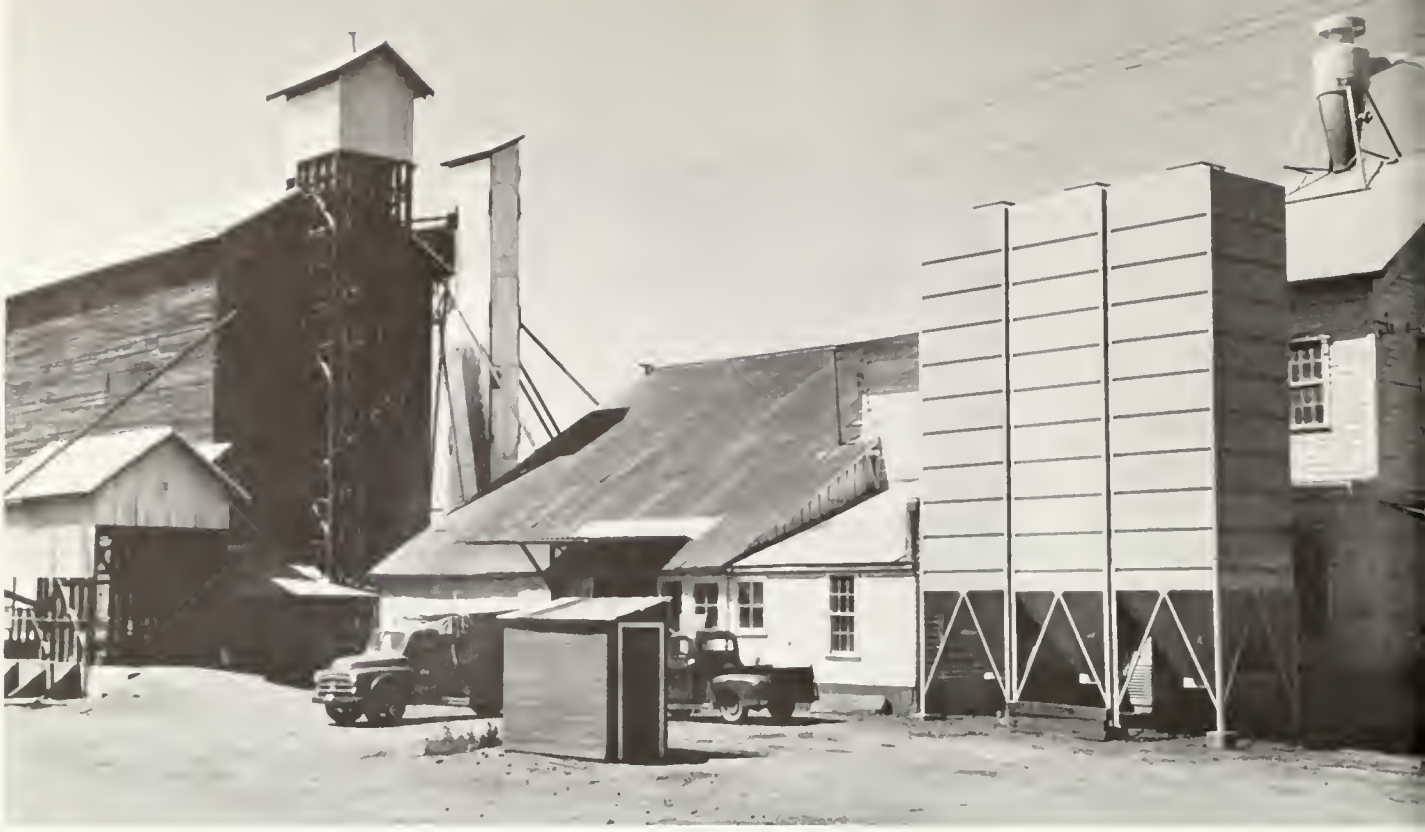
Major Categories of Land Classes

The lands mapped can be grouped into four major categories: (1) irrigable lands, (2) urban lands, (3) recreational lands, and (4) miscellaneous lands: irrigable lands deemed best suited to remain under forest or range management, marshlands, and all those lands which fail to meet the requirements of the first three land class categories.

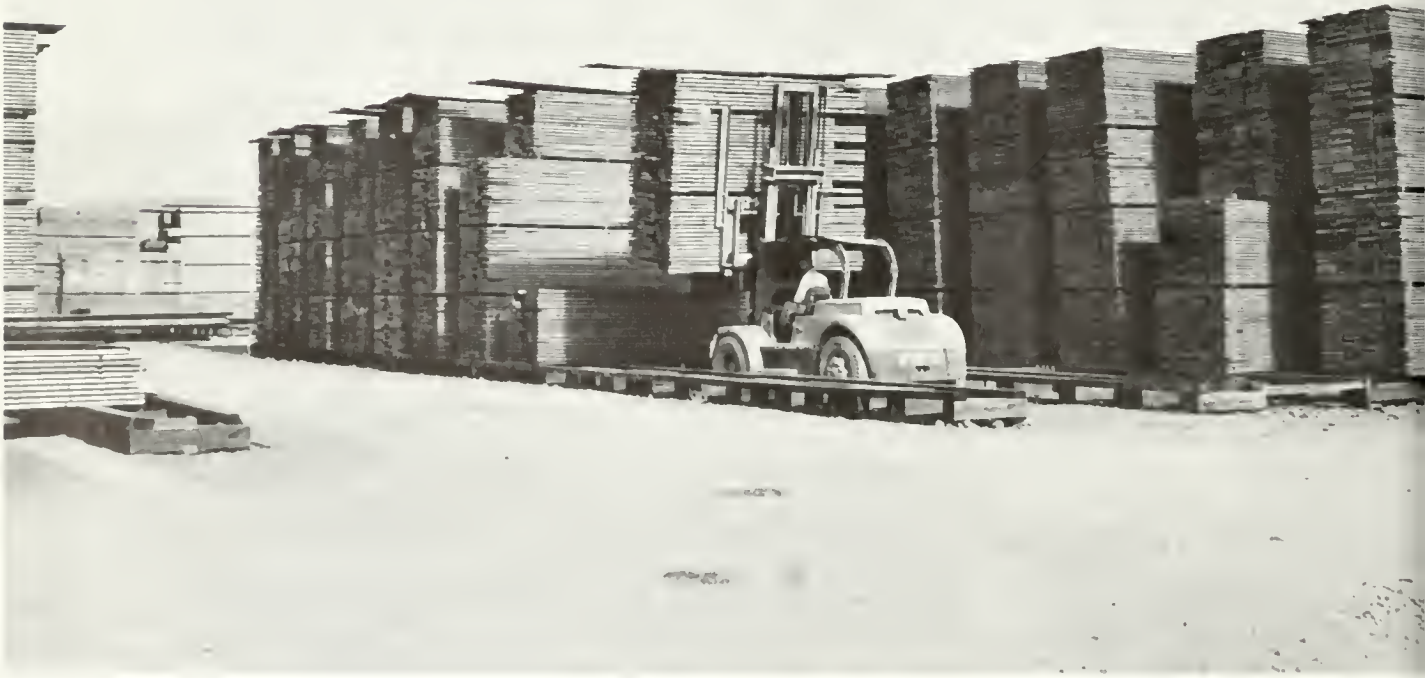
Irrigable Lands

Irrigable lands are classified according to their suitability for development under irrigated agriculture, and to their crop adaptability. Presently irrigated lands are included, but urban lands and recreational lands are not classed as to irrigability. In this survey, only physical characteristics of the land were considered. The time element with respect to when the lands might be developed did not enter the determination, except that suitability for irrigated agriculture was necessarily considered in light of present agricultural technology.

There are many factors which influence the suitability of land for irrigation development. Soil characteristics and physiography are the most stable aspects of the land, and were therefore considered in classifying lands as to irrigability. Other factors, such as the production and marketing of crops, the location of lands with respect to a water supply, and climatic conditions, were not considered in the basic classification. These latter factors are very important in estimating the nature of future cropping patterns and practices, and will be given due consideration when estimates are made of future water requirements.



Feed Mill, Montague



Stacking Lumber for Air Drying, Yreka

Urban Lands

As previously stated, the lands of Shasta-Scott Valleys Hydrographic Unit were not classified with respect to their potential urban use. Only those lands devoted to urban uses in 1958 are designated herein as "urban" lands.

Recreational Lands

Present trends indicate an expanding rate of use and demand for recreational facilities throughout the State. In view of these trends and the ever-increasing population, it is recognized that there will be a demand for substantial land areas for recreational purposes. This is particularly true of the mountainous regions, where this type of development is expanding rather rapidly at the present time.

Generally speaking, all mountainous lands are suitable for some recreational use such as hunting, fishing, and similar outdoor activities. However, for purposes of this investigation, only those lands which are now, or in the future may be, used intensively for permanent and summer home tracts, commercial areas, camp and trailer sites, and parks outside of urban areas, were classified for recreational use.

Lands suitable for potential recreational areas were classified by field observation. Primary considerations were such physical factors as soil depth, slope, and rockiness; such aesthetic values as view, nearness to lakes or streams, or density and type of forest canopy suitable for the respective uses; and the plans of federal and state forest officials. The availability of an existing water supply was an important factor in classification

of camp and trailer sites, but isolation from existing roads did not influence such classification.

Miscellaneous Lands

Presently forested lands or lands best suited for forest management which are otherwise irrigable are classed as "F" lands. Lands which were designated in the land use survey as "marshlands" are classified as "Vm" lands.

Lands which failed to meet the requirements previously described in this chapter are herein called "miscellaneous," and amounted to approximately 708,000 acres, or 76 percent of the unit. These "other lands" are not shown in Table 11.

CHAPTER V. SUMMARY

The Shasta-Scott Valleys Hydrographic Unit, which contains 1,456 square miles of central Siskiyou County, lies within the Klamath River Basin of the North Coastal area. It includes the entire watershed of the Shasta River and that portion of the Scott River watershed which is above the gaging station "Scott River near Fort Jones," some 20 miles above the confluence of the Scott and Klamath Rivers. Shasta Valley, with a north-south length of about 30 miles, and a maximum width of about 15 miles, has an area of about 220 square miles, and varies in elevation from 2,500 feet near Montague to 3,000 feet near Edgewood.

Scott Valley, which has a north-south length of about 20 miles, is narrow at its southerly upstream section near Callahan, and has a maximum width of 7 miles near Greenview. Its area is about 100 square miles and, like Shasta Valley, varies in elevation from 2,500 feet to 3,000 feet above sea level. The rugged mountains surrounding the two valleys comprise the remaining 1,136 square miles of the hydrographic unit.

Valley and foothill lands constitute about 24 percent of the total area. Agriculture is the largest single commercial enterprise in the unit. Approximately one-third of the presently cultivated lands are dry-farmed, and two-thirds are irrigated. The major irrigated crops are pasture and grain. Lumbering and associated wood products manufacturing are additional important local activities. The largest town in the unit is Yreka, with a 1960 population of about 5,000.

Water Use

Most of the water rights in Shasta Valley and some of the water rights in Scott Valley have been adjudicated by legal action, and others have been defined by private agreements. The remaining use is based primarily on riparian rights, or on appropriative rights established prior to 1914, by merely diverting and using the water.

As of June 28, 1960, a total of 68 active applications to appropriate water in the unit were on file with the State Water Rights Board. Permits or licenses were granted for 66 of these applications, and 2 were incomplete.

Approximately 73 percent of the 547 surface water diversions located were measured during 1958. The primary uses and amounts diverted are summarized below:

Primary use	Diversions located	Diversions measured	Amount measured (acre-feet)
Irrigation	529	387	276,800
Municipal	10	4	1,400
Industrial	6	2	2,900
Power	1	1	1,000
Recreation (golf course)	1	1	100
TOTALS	547	395	282,200

The total consumptive use of applied water during 1958 is estimated to have been 42,820 acre-feet, of which 39,430 acre-feet were used for irrigated agriculture, 1,760 acre-feet for domestic and municipal purposes, and 1,630 acre-feet for industrial purposes in the production of wood products.

Land Use

The areas of present land uses within the Shasta-Scott Valleys Hydrographic Unit are summarized below. They are shown on Plate 2 and illustrated graphically by the pie-chart in Figure 1.

Use	Area, in acres	
Agricultural lands		
Lands irrigated in 1958	79,380	
Lands normally irrigated but idle or fallow in 1958	3,230	
Dry-farmed lands	40,380	
TOTAL		122,990
Recreational lands		90
Urban lands		3,280
Meadowlands		4,020
Marshlands		1,380
Native vegetation		800,140
TOTAL AREA OF UNIT		931,900

Land Classification

The land classification survey reported in Department of Water Resources Bulletins Nos. 58 and 83 was used in this investigation, with additional data on classification of recreational lands, some minor modifications to the irrigable agricultural lands, and a resurvey of present urban lands. The results of these surveys are summarized below. They are shown on Plate 3, and are illustrated graphically by the pie-chart in Figure 2.

Classification	Area, in acres
Irrigable agricultural lands	219,050
Recreational lands	1,910
Present urban lands	3,280
Miscellaneous lands	
Irrigable forest management lands	33,060
Other lands (including "Vm" lands)	674,600
TOTAL AREA OF UNIT	931,900

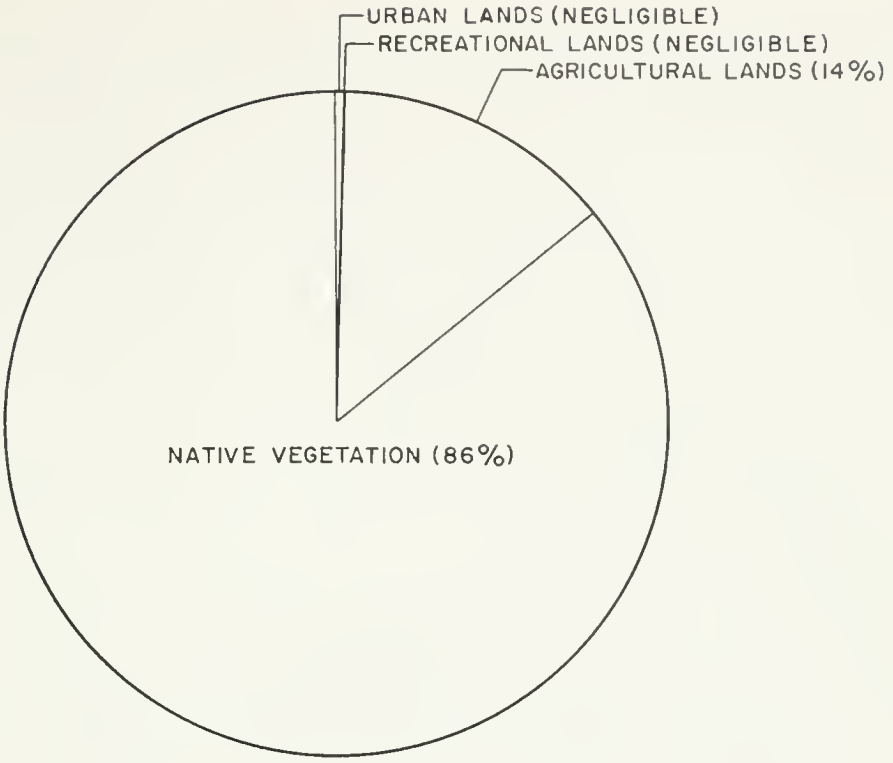


Figure 1

1958 LAND USE

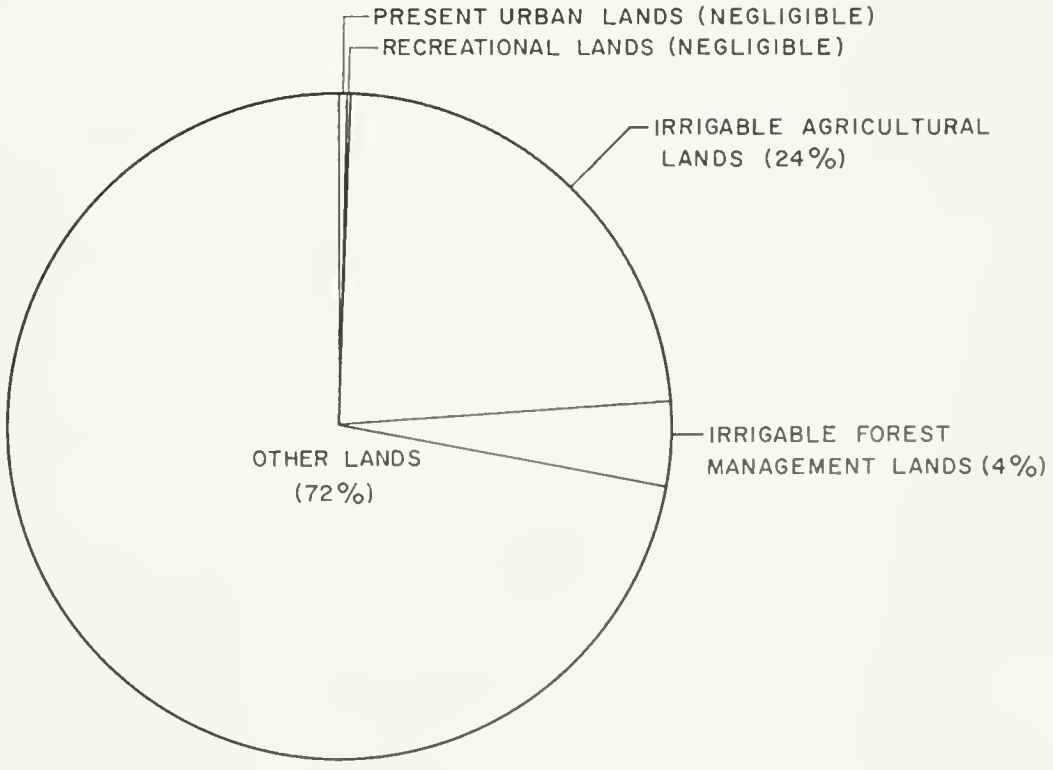


Figure 2

CLASSIFICATION OF LANDS

APPENDIX A

COORDINATED STATEWIDE PLANNING PROGRAM

APPENDIX A

COORDINATED STATEWIDE PLANNING PROGRAM

California's major water problem today is that of development and delivery of supplemental water supplies to meet increasing water requirements throughout the State. The problem involves (1) the regulation of seasonal and cyclic fluctuation of streamflow to meet demand schedules in the areas of origin, and (2) the transmission of regulated surplus flows over long distances to areas of deficiency. The development and long distance transfer of water is currently accomplished by such major facilities as the federal Central Valley Project and the Colorado River Aqueduct of The Metropolitan Water District of Southern California. However, such development and transfer will be considerably broadened in scope by the State Water Facilities.

Consumptive water requirements of the State on a basin-wide basis were estimated in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," June 1955. However, to provide for local water needs while considering specific export projects, more detailed information must be made available on present and projected future water requirements of the areas in which the projects are to be built. This will necessitate considerably more detailed collection and analysis of data on the hydrology, land use, land capability, and economics.

Recognizing that additional information is needed if the water needs of areas of origin are to be adequately protected in large-scale water development projects, the 1956 Legislature authorized an investigation to determine the water resources and water requirements of the respective watersheds in the State. The authorization is contained in Chapter 61, Statutes of 1956, as amended by Chapter 2025, Statutes of 1959. This legislation is codified in Section 232 of the Water Code as follows:

> "232. The Legislature finds and declares that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial uses therein. To this end, the department is authorized and directed to conduct investigations and hearings and to prepare findings therefrom and to report thereon to the Legislature at the earliest possible date with respect to the following matters:
>
> (a) The boundaries of the respective watersheds of the State and the quantities of water originating therein;
>
> (b) The quantities of water reasonably required for ultimate beneficial use in the respective watersheds;
>
> (c) The quantities of water, if any, available for export from the respective watersheds;
>
> (d) The areas which can be served by the water available for export from each watershed; and
>
> (e) The present use of water within each watershed together with the apparent claim of water right attaching thereto, excluding individual uses of water involving diversions of small quantities which, in the judgment of the Director of Water Resources, are insufficient in the aggregate to materially affect the quantitative determinations included in the report.

"Before adopting any findings which are reported to the Legislature, the department shall hold public hearings after reasonable notice, at which all interested persons may be heard."

For purposes of this investigation, the State has been divided into twelve major hydrographic areas which are shown on Plate 1. These areas, in turn, have been subdivided into hydrographi units generally comprising watersheds ofindividual rivers. Basic data on present water uses, together with the apparent claim of water right attached thereto, present land uses, history of land and water uses, and the classification of lands will be presented separately for each hydrographic unit in this series of reports on land and water use. Bulletin No. 94-5, "Land and Water Use in Shasta-Scott Valleys Hydrographic Unit," is the fifth of a series reporting the results of these surveys.

In this program, the Department not only develops the basic data such as are presented in this report, but utilizes these data in preparing the best possible current estimates of future water requirements to supersede those of Bulletin No. 2 and other earlier studies. These projections, together with hydrologic and water quality data on local water supplies, and estimates of the resulting excesses or deficiencies, will be published in a second series of bulletins, designated as the Bulletin No. 142 series.

Calculations of future water requirements will be based on predicted future land uses derived from land classification surveys, economic studies, population forecasts, industrial and agricultural development, and recreational needs. Agricultural water requirements will be based on unit water use by the

various predicted crop types. Urban and recreational requirements will be based on per capita water use values. Fish and wildlife requirements will be based on the amount of streamflow needed, or the water demands for wildlife. Industrial water requirements will be based on measured water deliveries to various types and sizes of industries now existing. In forecasting future industrial development, water quality problems will be given full consideration.

Water resources will be determined from records of all stream gaging stations, including new stations which were established for this and other investigations of the Department. The new stations were generally constructed on streams which originate in the smaller watersheds, for which runoff data are necessary, but for which no data have been available.

APPENDIX B

REPORTS ON RELATED INVESTIGATIONS AND OTHER REFERENCES

APPENDIX B

REPORTS ON RELATED INVESTIGATIONS
AND OTHER REFERENCES

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APPENDIX C

LEGAL CONSIDERATIONS

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APPENDIX C

LEGAL CONSIDERATIONS

There are set forth in the following paragraphs brief general statements with respect to the California law of water rights, to supplement, and to provide a background for information on water rights contained in Chapter II. Also included is a tabulation of currently valid applications to appropriate water within Shasta-Scott Valleys Hydrographic Unit filed with the State Water Rights Board.

California Water Rights

In California, water rights convey only the right to use water. Until absolute possession of water is acquired by some artificial means, no one owns water. However, the owner of water rights is entitled to enjoy them without interference by other users who have rights which are inferior to his.

Five kinds of water rights are recognized in California. These are riparian, overlying, appropriative, prescriptive, and pueblo. Riparian rights attach to surface water and water flowing in known and definite subterranean channels, while overlying rights attach only to underground water. Appropriative and prescriptive rights may be acquired in either surface or underground waters. Pueblo rights are now exercised in California only by the cities of Los Angeles and San Diego, each of which has a paramount right to satisfy its full needs from the stream system of waters flowing by the former Mexican pueblo from which each sprang.

All water rights, both to surface and to underground water, are subject to the doctrine of reasonable beneficial use

expressed in Section 3 of Article 14 of the California Constituti and Water Code Sections 100 and 101. This doctrine limits water rights to the quantity of water reasonably required for beneficia use and prohibits waste, unreasonable use, and unreasonable metho of use or diversion.

Riparian Rights

A riparian right entitles the owner of lands which bord or front on a watercourse to take water therefrom for use on such lands within the same watershed. However, the rights of the owne of riparian land are limited to the reasonable beneficial use of the natural flow of water which passes his land. Riparian rights pass with the title to the land, unless expressly reserved or excepted from the interests transferred, and are not gained by use or lost by mere nonuse. Although the land must be contiguous to the watercourse, the length of the frontage is not determinati of the rights; a large tract with a small frontage on a stream ma be riparian to the stream. But the original grant determines the character of the land, and only the smallest contiguous tract hel under a single title retains riparian rights.

A riparain owner has no right to any specified amount of the water of a stream as against other riparian owners. He ha rights only to a reasonable share from the stream -- a correlati right which he shares mutually with other riparian owners. In the event of insufficient water for all, the available supply mu be apportioned, except that an upper riparian owner may take the

whole supply if necessary for domestic use. As against appropriators, the riparian owner has the paramount right to all the water of the stream which he can put to reasonable beneficial use, but that is the extent of his right, and the appropriator can take the surplus.

Riparian rights do not authorize use of water on nonriparian land, nor do they permit the seasonal storage of water. Neither do they prevent temporary appropriation by others of water not presently needed for use on riparian land.

A parcel of land becomes nonriparian when severed from land bordering the stream, unless the riparian rights are reserved for the severed parcel by the grantor. Riparian rights may be destroyed when purportedly transferred apart from the land by grant, contract, or condemnation, and may be impaired or lost through prescription.

Overlying Rights

Owners of lands overlying a common underground water supply have the right to withdraw water for reasonable beneficial use on their overlying lands. Such overlying rights are analogous to riparian rights, in that both are based on ownership of land, and the rights of each overlying owner are mutual and correlative to the rights of all other owners. In the case of insufficient water to fully supply the requirements of all, the available supply must be equitably apportioned.

Overlying rights do not include use of water on nonoverlying land. However, surplus water not presently required for

beneficial use on overlying land, and which may be withdrawn without creating an overdraft on the ground water supply, may be appropriated for use on nonoverlying land. But the overlying rights are paramount and all appropriative rights are subject to the future requirements of overlying land.

Appropriative Rights

An appropriation of water is any taking of water for other than riparian or overlying uses, whether such taking is from the underground by wells or from surface streams by direct diversion or storage. An appropriator, in the legal sense, is one who initially takes water without possessing rights which are based on the ownership of land. As between appropriators, the one first in time is the first in right. A prior appropriator may take all the water he needs up to the full amount to which he is entitled before a later appropriator may take any.

Normally, appropriative rights are inferior to riparian rights. An exception to this is the case of an appropriation of water diverted from streams flowing through vacant public lands before the riparian lands were withdrawn from the domain of the United States. The appropriative diversions or the lands they serve may be either upstream or downstream from the riparian lands. Any water not needed for the reasonable beneficial uses of those having prior rights may properly be appropriated.

No formal or statutory procedure is or ever has been prescribed or required in this State for those who take water by means of wells from underground percolating waters or underground basins. An appropriative right to take surplus water from such

sources is acquired by extracting such water from the underground and applying it to beneficial uses.

Provided the development and application to use are completed with reasonable diligence, the priority of the right as against another appropriator related back to the first substantial act toward putting the water to use or to the date of application. Until 1872, water flowing in natural streams was appropriated by taking the water.

Sections 1410 through 1422 of the Civil Code, enacted in 1872, established a permissive procedure for perfecting an appropriation of surface water. Provision was made for posting a notice of appropriation at the proposed point of diversion and recording a copy with the county recorder. If the statutory procedure were followed and the appropriation completed with due diligence, priority related back to the date of posting; otherwise, priority was established only when the water was put to beneficial use.

Since the effective date of the Water Commission Act of 1913, December 19, 1914, appropriation of surface water and water in subterranean streams flowing in known and definite channels has been by compliance with required statutory procedure. An appropriation of such water now can be made in accordance with the provisions of Part 2, Division 2 of the Water Code (Water Code Sections 1200 to 1801). An application to appropriate unappropriated water must be filed with the State Water Rights Board. If the application is approved, a permit is issued authorizing the appropriation. When the appropriation has been completed, an inspection is made and a license is issued, to the extent of beneficial use, provided the terms and conditions of the permit have been fulfilled.

The priority of a permit or license relates back to the date of the application.

A right to appropriate water may be lost either by abandonment or by continuous nonuse. To constitute abandonment, there must be concurrence of act and intent, wherein possession is relinquished with no intent to resume it for a beneficial use. Abandonment is, therefore, always voluntary and factual. In the case of an appropriation initiated prior to 1914, continuous nonuse for a period of five years results in the loss of appropriative water rights. In the case of appropriative rights acquired pursuant to the Water Commission Act or the Water Code, continuous nonuse for a period of only three years may result in loss of such rights.

Where ground water and surface water are interconnected, one acting as a tributary to the other, both are treated as part of a common supply and users of water from either source are entitled to protection from substantial injury as a result of use by others of water from the other source. Thus, an owner of land riparian to a stream may have his right to the use of water protected against impairment by an appropriator of percolating ground water tributary to the stream and required for the maintenance and support of its flow. Likewise, where water from a stream percolates to a ground water basin or stratum, the owner of land overlying the ground water supply may be protected from an appropriation of water from the stream if this causes a substantial impairment of the ground water supply. As between riparian use of surface water and overlying use of ground water tributary to the stream, a sharing of the available water supply on the basis of reasonable beneficial use should be made.

Prescriptive Rights

It is possible to appropriate surface or ground water which is presently needed by others to satisfy riparian, overlying, or prior appropriative rights. Such appropriations may ripen into prescriptive rights where the use is actual, open and notorious, hostile and adverse to the original owners, continuous and uninterrupted for the statutory period of five years, made under claim of right, and with payment of taxes whenever such have been levied on the water rights. Absence of any of these essentials precludes the acquisition of prescriptive water rights.

Prescription of a right thus requires that, for a period of five years, the rightful owner either knows or should know of the adverse taking and fails to take any physical or legal steps to interrupt such taking. Irrespective of the needs or demands of the riparian, overlying, or prior appropriative user, an absolute right to only a fixed amount of water may be acquired by prescription. The quantity of such a right is determined by beneficial use. However, present use is the measure of the prescriptive right, and future needs cannot be included.

Riparian rights, overlying rights, appropriative rights, and prescriptive rights may be lost or diminished by prescription. While there is sufficient water flowing in a stream to supply the wants of all parties, the use of the water by anyone does not deprive the others of their water supply and, hence, is not an invasion of their rights. The same principle applies to a downstream diversion of water as against the rights of an upstream riparian landowner or prior appropriator. At times when the safe yield of a ground water basin exceeds the needs of overlying

landowners and appropriators, their prior rights are not invaded by a later appropriative taking of water from the underground supply. The later appropriation becomes adverse only when the ground water basin is overdrawn; that is, when the annual draft exceeds the safe annual yield. Although neither an overlying owner nor a prior appropriator may prevent a taking of surplus water, either the owner or the appropriator may institute legal proceedings to safeguard the supply once a surplus ceases to exist, and may enjoin any additional use beyond the point of safe yield. Since prescriptive rights can only be acquired to nonsurplus water, these rights cannot ordinarily be acquired against the future needs of riparian or overlying owners.

The prior appropriator, lower riparian, or overlying owner may protect his rights for his present needs against an adverse appropriator by actually taking the needed water before the five-year period has run, or by the aid of the courts in the form of a declaratory judgment or injunction within the five-year period.

Determination of Water Rights

Under provisions of the Water Code, actions brought before either state or federal courts which involve determination of rights to the use of water may, at the court's discretion, be referred to the State Water Rights Board. Under provisions of Water Code Section 2000, the court may appoint the board to referee "any or all issues involved in the suit", or under Section 2001, it may limit the reference to "investigations of and report upon any or all physical facts involved". This reference procedure may be followed in suits involving either surface or ground waters, or both.

An alternative procedure for adjudication of rights to the use of water of streams, lakes, and other bodies of water, is available upon petition to the State Water Rights Board, but the method excludes the determination of rights to take water from an underground supply other than from a subterranean stream flowing through known and definite channels. Water Code Sections 2500 to 2900, inclusive, authorize the initiation of such proceedings.

Court actions which involve a determination of all the relative rights to the use of water of an entire stream or stream system and/or ground water basin afford a basis for distribution of water after decrees under watermaster service. Water users may secure the services of the Department of Water Resources under Water Code Sections 4000 to 4407, inclusive, in making distribution of the water to them according to their respective rights as determined by the court.

Litigation Concerning Water Rights

Shasta River Adjudication

In July 1921, several water users on the lower Shasta River complained to the Division of Water Rights of the lack of water due to diversions by upstream permittees. An investigation was made by the division, and after mutual agreement of the parties, an engineer of the division was stationed in the valley to apportion the water. After receiving a petition for complete adjudication of the water rights on the Shasta River system, an order initiating the proceedings was entered by the Division on December 21, 1921.

A field investigation was conducted during the summer months of 1922 and 1923 in which measurements were made of the

water supply and the various diversions. The report of this investigation was submitted on July 1, 1925, and the adjudication proceedings were initiated in the Superior Court of the State of California, in and for the County of Siskiyou, in June 1928. The judgment and decree were entered December 30, 1932, in Judgment Book 12, page 189.

Although over 600 diversions are entered in the adjudication, not all of them are reported in this investigation. Some did not meet the minimum size requirements, some have been combined with other diversions, and others have been abandoned.

Shackleford Creek Adjudication

On January 18, 1944, certain water users filed a petition with the Department of Public Works, requesting a determination of the rights of the various claimants in and to the use of the waters of Shackleford Creek and its tributaries. On September 1, 1944, the Department began an investigation of water supply, conduits diverting water, lands irrigated, and other data essential to the determination of rights. Field work was completed on about November 1, 1944.

Thirty-seven proofs of rights were filed with the Department by claimants, after which the Department determined the rights of the parties involved. During the 1945 and 1946 irrigation seasons a trial distribution of waters, supervised by a department watermaster, was conducted.

All the evidence taken by or filed with the Department was opened for inspection by all interested parties, and contests of claims were received by the Department. Hearings were then held until all contests were disposed by agreement.

An agreement entitled "Stipulation for Order of Determination" was signed by all parties to the determination except two, whose joint claim of right is based upon Application 10350 and Permit 6113. The agreement provides that all of claimants' rights and interests in the use of waters of Shackleford Creek and its tributaries are settled and compromised as set forth in the agreement which was filed October 3, 1949. On January 19, 1950, the Order of Determination was affirmed by the Superior Court of the State of California, in and for the County of Siskiyou, after no exceptions were filed. The decree was entered in Judgment Volume 19, page 472. Application 10350 and Permit 6113 were revoked on February 24, 1959.

John H. Mason, et al, vs. Harry M. Bemrod, et al (French Creek)

On August 3, 1951, owners of riparian lands along French Creek brought suit in the Superior Court of the State of California, in and for the County of Siskiyou, to establish their right against upstream users. An answer and cross complaint were filed on October 17, 1951. On February 25, 1952, an amended cross complaint was filed, naming additional parties who use water from French Creek, and praying that they would appear in court and state the nature and extent of their water right. By order of reference filed March 19, 1953, the Department of Public Works, acting through the State Engineer, was appointed referee to investigate and determine the issues involved in the action. Upon motion by the Department of Public Works and by "Minute Order" dated February 14, 1955, the court directed that all diverters and potential diverters be brought into the action.

An investigation was conducted by the Department which included a survey of the location of ditches and areas irrigated, measurement of streamflow, and water use. The results of these surveys and measurements were compiled and are contained in two reports, "Water Supply and Use of Water on French Creek Stream System, March 1945", and "Supplemental Report on Water Supply and Use of Water on French Creek Stream System, February 1956", On July 5, 1956, the Department, as referee, filed its final report with the court. Exceptions to this report of referee were filed by six water users on French Creek. The Division of Water Resources of the Department of Public Works was succeeded by the State Water Rights Board as referee, effective July 5, 1956.

The case came before the court for hearing and trial between June 16 and June 23, 1958, in which the rights and interests of all parties involved were determined. A judgment was filed July 1, 1958, and entered in Civil Judgments, Volume 7, page 82.

Sugar Creek Adjudications

Three adjudications for water in Sugar Creek were made by the Superior Court of Siskiyou County:

6/20/06 Case No. 2719 Watson vs. Wade

3/23/26 Case No. 5904 Parker vs. Fay and Deas

5/5/64 Case No. 19227 Barnes, LaFevers, and Birdwell vs. Mullins, Cook, et al.

The 1906 adjudication established nine priorities. The 1926 adjudication modified the first and second priorities. The

1964 adjudication made no changes in these priorities but did assign priorities to two rights established by appropriation under Application Nos. 15769 and 15770, decreeing them junior to priorities 1, 2, 7 and 8 of the 1906 adjudication. (The remaining priorities were not mentioned in the 1964 decree.)

The nine original priorities and the 1926 modification, are listed below. Also shown are those diversions described in this report that could be identified with the priorities.

Diversion Number	Priority	Amount of Right (MI under 4" pressure)
40N/9W-11J1	1st	30 (increased to 60 MI)
40N/9W-12F1 and 12F2	2nd	85 (decreased to 55 MI)
40N/9W-15K1	3rd	76
Not identified	4th	125
40N/9W-21A1	5th	180
40N/9W-15K1	6th	19
40N/9W-11J1	7th	70
40N/9W-11Q1	8th	100
40N/9W-15K1	9th	605

Applications to Appropriate Water

Applications to appropriate water within the Shasta-Scott Valleys Hydrographic Unit, filed with the State since 1914 and active on June 28, 1960, are summarized in Table C-1. For each application relative to a diversion reported in Chapter II the diversion location is included in the table. The status of each application as to the granting of a permit or license is also shown in the table.

TABLE C-1

APPLICATIONS TO APPROPRIATE WATER IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of June 28, 1960)

Application Number	Date Filed	Present Owner	Diversion Location	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec	Tp	R.	B. & M				
—8	8/28/16	Grenada Irrigation District	43N/5W-6D1	Shasta River	NW	NW	6	43N	5W	MD	40.0 cfs	Apr 1-Oct 1	Irrigation, 1,909 acres	P-501
512	11/2/16	Scott Valley Irrigation District	41N/9W-28I	Scott River	NW	NE	2	41N	9W	MD	62.50 cfs	Jan 1-Dec 31	Irrigation, 5,131.3 acres	L-441
1492	10/17/19	Frank J. Hayden	40N/8W-13L1	East Fork Scott River	NE	SW	13	40N	8W	MD	1.25 cfs	Jun 1-Aug 1	Irrigation, 80 acres	L-325
3544	7/23/23	Montague Water Conservation District	43N/5W-25L1	Shasta River	NW	SE	35	43N	5W	MD	35,000 af	Oct 1-Jun 15	Irrigation, 19,500 acres	P-2452
3555	7/30/25	Montague Water Conservation District	42N/5W-29Q1	Parks Creek	NW	SW	20	43N	5W	MD	14,000 af	Oct 1-Jun 15	Irrigation, 19,500 acres	P-2453
3952	4/12/24	W. A. and Effie Wellons and Frank Alexander	42N/5W-28E1	Shasta River	SW	NW	28	42N	5W	MD	7 af	Dec 1-Mar 1	Irrigation, 34 acres	L-1195
4831	11/9/25	R. W. Ekstrom	44N/6W-14A1	Shasta River	NE	NE	14	44N	6W	MD	0.25 cfs	Mar 1-Jun 15	Irrigation, 20 acres	L-1141
4909	2/4/26	Montague Water Conservation District	45N/5W-26R2	Little Shasta River	SE	SE	26	45N	5W	MD	2.30 cfs	Jan 1-Dec 31	Industrial, municipal, and domestic	P-2581
7262	5/23/32	G. N., E. M., F. L., and F. H. Cory	—	Little Carmen Creek	SE	NW	29	40N	7W	MD	0.85 cfs	Feb 1-Jun 30	Power	L-2238
7263	5/23/32	G. N., E. M., F. L., and F. H. Cory	—	Little Carmen Creek	SE	NW	29	40N	7W	MD	3 cfs	Feb 1-Jun 30	Mining and domestic	L-2239
7825	1/26/34	Robert L. Couch	—	Mill Creek	NE	NE	28	43N	10W	MD	0.62 cfs	Mar 1-Nov 1	Irrigation, 30 acres	L-1966
8809	10/10/36	William W. Valentine, Jr.	43N/5W-15R1	Clear Spring	SW	NW	22	43N	5W	MD	2.5 cfs	Mar 1-Nov 1 Jan 1-Dec 31	Irrigation, 203.15 acres Stockwatering	L-4151
10479	6/15/42	Mabel M. and Wilbur L. Montgomery	—	Kidder Creek	NW	NW	31	43N	9W	MD	1.1 cfs	Apr 1-Jun 30	Irrigation, 40 acres	L-3231
10647	5/28/43	Herbert A. Sleep	—	Hayden Spring South Fork Humbug Gulch	NW NW	SW SW	21 21	45N 45N	7W 7W	MD MD	0.9 af 2.61 af	Nov 1-Mar 1	Irrigation, 6 acres	L-4588
10789	3/22/44	Mary M. and Verne S. Alexander	—	Rattlesnake Creek	NE	NW	16	44N	9W	MD	15,000 gpd	Nov 1-Jul 31 Mar 15-Jul 31	Domestic and stockwatering Irrigation, 1 acre	L-3133
10930	12/11/44	R. E. and Ann Peabody	—	Peabody Creek tributary to Parks Creek Spring tributary to Peabody Creek	SE SE	NW NW	6 6	41N 41N	5W 5W	MD MD	0.125 cfs	Jan 1-Dec 31 Apr 1-Oct 31	Domestic and stockwatering Irrigation, 5 acres	L-3649
10949	1/8/45	Earl B. Fleck	45N/5W-32H1	Little Shasta River	SE	NE	32	45N	5W	MD	9.6 cfs	Jan 1-Dec 31	Irrigation, 477.84 acres	L-5066
10982	2/14/45	Donald E. and Illene D. Watson	45N/5W-30J1	Little Shasta River	NE	SE	30	45N	5W	MD	3 cfs 223 af	Mar 1-Mar 31 Nov 1-Apr 1	Irrigation, 92.9 acres	L-4286
11059	5/26/45	Edyth Muss and Narris Muss Cornick	45N/4W-30K2	Bassy Spring Creek	SW	NE	30	45N	4W	MD	2.9 cfs	Nov 1-Dec 1	Irrigation, 230 acres Stockwatering	L-3413
11084	6/25/45	Jessie C. Martin	—	Martin Spring Creek	NE	NE	30	45N	4W	MD	3.0 cfs 0.9 cfs	Nov 1-Dec 1 Dec 1-Mar 1	Irrigation, 300 acres Stockwatering	L-3432
11092	6/29/45	Edson L. Foulke, Jr.	43N/6W-34R1	Willow Creek Kiernan Slough	SE NW	SE SW	34 35	43N 43N	6W 6W	MD MD	308 af	Nov 1-May 1	Irrigation, 455.5 acres	L-4449
11463	7/10/46	Star Ranch, Inc.	43N/9W-3H2	Scott River	SE	NE	3	43N	9W	MD	10 cfs	Jan 1-Dec 31 Apr 1-Oct 1	Stockwatering Irrigation, 736 acres	L-5494
11705	1/23/47	Earl B. Fleck	45N/5W-32H1	Little Shasta River	SE	NE	32	45N	5W	MD	1,000 af	Dec 1-Mar 1	Irrigation, 477.2 acres	L-5067
12070	9/5/47	Margaret S. Collins	—	South Fork Scott River	SE	SE	33	40N	9W	MD	2 cfs	Jan 1-Dec 31	Mining and domestic	L-3547

* P - Indicates permit number of application approved. L - Indicates license number of right confirmed. Incomplete - Indicates application not yet complete. Pending - Indicates application complete but not yet approved.

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of June 28, 1960)

Application Number	Date Filed	Present Owner	Diversion Location	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec	Tp.	R	B & M				
12141	10/31/47	Wilbur L. and Mabel N. Montgomery	—	Kidder Creek	NW	NW	31	43N	9W	MD	0.3 cfs	Apr 1–Jun 15	Irrigation, 10 acres	L-3232
12738	10/8/48	C. E. and Ruth F. Barnett	—	Alder Creek tributary to Etna Creek	SE	SW	6	41N	9W	MD	0.25 cfs	Jan 1–Dec 31	Power and domestic	L-3705
12929	2/10/49	United States Klamath National Forest	—	Boulder Creek	NE	NE	7	39N	8W	MD	11,500 gpd	Jan 1–Dec 31 May 1–Sept 15	Domestic Irrigation	L-3609
13150	6/13/49	Ray Soule	45N/4W-19L2	Little Shasta River	NE	SW	19	45N	4W	MD	132.2 af	Dec 1–Feb 1	Irrigation, 204.4 acres	L-4591
13200	6/30/49	Donald E. and Illene D. Watson	45N/5W-30J1	Little Shasta River	NE	SE	30	45N	5W	MD	318 af	Nov 1–Apr 1	Irrigation, 114.7 acres	L-4287
13283	8/8/49	R. E. H. Julien	44N/6W-21A1	Julien Creek	NE	NE	21	44N	6W	MD	49 af	Nov 1–Apr 1	Stockwatering, fish culture, and irrigation, 160 acres	L-5309
13462	11/14/49	Earl B. Flock	45N/5W-32N1	Little Shasta River	SE	NE	32	45N	5W	MD	2,250 af	Nov 1–Mar 1	Irrigation, 1,148.3 acres	P-7918
13490	11/29/49	Harry G. Matteson, Jr.	—	Ruffy Gulch tributary to Etna Creek	SE	NE	5	41N	9W	MD	0.5 cfs	Apr 1–Jun 1	Irrigation, 45 acres	L-4725
13491	11/29/49	Harry G. and Brenda Matteson	—	Etna Creek	NW	NE	5	41N	9W	MD	1.0 cfs	Mar 15–May 15	Irrigation, 60 acres	L-3982
13631	3/13/50	Freeman Brothers	—	Shasta River	SE	NW	11	44N	6W	MD	1.25 cfs	Mar 15–Sept 30	Irrigation, 101 acres	P-8058
14074	11/28/50	Leonard L. Shelley	45N/4W-19L2	Little Shasta River	NE	SW	19	45N	4W	MD	363.4 af	Dec 1–Feb 1	Irrigation, 356.43 acres	L-5349
14580	11/15/51	Earl B. Flock	45N/5W-32H1	Little Shasta River	SE	NE	32	45N	5W	MD	6.0 cfs	Mar 1–Jun 1	Irrigation, 341.52 acres	L-5068
14712	3/13/52	Brice M. and Mildred Long	—	Tributary to Little Shasta River	NW	NW	30	45N	5W	MD	0.5 cfs	Nov 1–May 31	Stockwatering	L-5396
15015	9/12/52	Donald True, Sr. and Marguratte L. True	—	Julien Creek	NE SW	NE SW	22 14	44N 44N	6W 6W	MD MD	0.75 cfs	Mar 1–Nov 1	Stockwatering and irrigation, 80.1 acres	P-9860
15212	3/2/53	International Paper Company	—	Grizzly Creek	SW	SE	33	40N	9W	MD	0.035 cfs	May 1–Oct 1	Irrigation, 2 acres	L-5281
15613	11/18/53	Alexander N. Connacher	—	Little Jackson Creek	SE	NE	9	39N	9W	MD	2.0 cfs	Jan 1–Dec 31	Mining and domestic	L-5650
15687	1/15/54	Charles T. and Ellen B. Drummond	44N/5W-20J1	Tributary to White Slough	SE	SE	20	44N	5W	MD	110 af	Oct 1–Apr 1	Irrigation, 282 acres	P-9823
15769	3/10/54	Glenn C. and Betty P. Barnes	40N/9W-11J1	Suger Creek	NE	SE	11	40N	9W	MD	1.25 cfs	Mar 1–Nov 1	Irrigation, 100 acres	L-5266
15770	3/10/54	Donald and David LaFevore	40N/9W-11J1	Sugar Creek	NE	SE	11	40N	9W	MD	2.25 cfs	Mar 1–Nov 1	Irrigation, 166 acres	L-5265
16149	11/22/54	Carroll W. and Geraldine N. Birdwell	44N/9W-31D1	Scott River	NW	NW	31	44N	9W	MD	2 cfs	May 15–Oct 1	Irrigation, 135 acres	L-6012
16304	4/7/55	United States Klamath National Forest	—	Spring tributary to Mill Creek	NW	SE	2	41N	10W	MD	2,000 gpd	May 1–Oct 31	Domestic and stockwatering	L-5316
16392	5/24/55	City of Yreka	45N/7W-23D1	Subsurface flow of Yreka Creek	NW	NW	23	45N	7W	MD	1.68 cfs	Jan 1–Dec 31	Municipal	L-6037
16507	8/8/55	Montague Water Conservation District	43N/5W-25L1 42N/5W-29Q1	Shasta River Parks Creek	NE SW	SW SE	25 29	43N 42N	5W 5W	MD MD	20,000 af 10,000 af	Oct 1–Jul 1	Irrigation, 11,500 acres	P-10751
16536	8/22/55	Bernard F. and Harriet A. Davidson	43N/9W-11M1	Tributary to Scott River	SW	NW	11	43N	9W	MD	0.61 cfs	May 15–Oct 1	Irrigation, 125.29 acres	L-6010

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TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of June 28, 1960)

Application Number	Date Filed	Present Owner	Diversion Location	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
[illegible]	[illegible]	United States Department of Interior; Bureau of Land Management	—	Noyes Valley Creek	SE	SE	30	42N	7W	MD	3.2 af	Nov 1-Apr 1	Stockwatering and recreational	L-5546
16416	3/5/56	United States Department of Interior; Bureau of Land Management	--	McConnahue Gulch	SW	NW	26	44N	8W	MD	0.33 af	Nov 1-Apr 1	Stockwatering	L-5576
164[illegible]	3/20/56	California Water Commission	—	Shasta River	-	-	7	45N	6W	MD	120,000 af	Jan 1-Dec 31	Irrigation, domestic, municipal, industrial, recreational, and fish and wildlife	Incomplete
16456	3/20/56	California Water Commission	--	Scott River	-	-	17	40N	8W	MD	208,000 af	Jan 1-Dec 31	Irrigation, domestic, municipal, industrial, recreational, and fish and wildlife	Incomplete
17183	7/13/56	Dwight and Stuart Hammond	--	Lost Springs	SW	NW	34	41N	5W	MD	2.75 cfs	Apr 1-Oct 31	Irrigation, 172 acres	P-11526
17284	9/19/56	Ellen Tupper and David Peterson	41N/5W-17F3	Eddy Creek	NE	SW	17	41N	5W	MD	1.53 cfs	Jan 1-Dec 31	Domestic and power	P-10458
17334	10/17/56	Donald L. Kember	45N/6W-22C1	Tributary to Oregon Slough	NE SE	NW NW	22 22	45N 45N	6W 6W	MD MD	11 af	Nov 1-Apr 1	Stockwatering and irrigation, 60 acres	P-11148
17440	1/29/57	Helen B. Spence	—	Spring tributary to Greenhorn Creek	SW	SW	19	45N	7W	MD	6,341 gpd	Jan 1-Dec 31	Domestic	P-11209
17619	6/7/57	Charles T. Drummond	44N/5W-20K1 44N/5W-19G1 44N/5W-29C1 44N/5W-20P1	Tributary to White Slough Tributary to White Slough Tributary to White Slough Tributary to White Slough	NW SW NE SE	SW NE NW SW	20 19 29 20	44N 44N 44N 44N	5W 5W 5W 5W	MD MD MD MD	30 af 38 af 48 af 10 af	Oct 1-Apr 1	Stockwatering, recreational and irrigation, 140 acres	P-12009
17651	6/11/57	Laurence Franklin	—	Spring tributary to East Fork Scott River Spring tributary to East Fork Scott River	SE SW	SW SE	18 18	40N 40N	7W 7W	MD MD	2,880 gpd	Jan 1-Dec 31	Domestic	L-5973
17997	2/11/58	Scott Valley Irrigation District	43N/9W-3H1	Scott River	NE	SE	3	43N	9W	MD	45 cfs	Apr 1-Oct 1	Irrigation, 1,628.7 acres	P-11768
18186	6/7/58	Town of Yreka City	45N/7W-33A1	Greenhorn Creek	NE	NE	33	45N	7W	MD	4 cfs 650 af	Jan 1-Dec 31 Nov 1-May 1	Municipal	P-11696
18257	8/11/58	Frank C. and Hazel D. Taylor	--	Spring tributary to Mill Creek	SW	NW	13	43N	10W	MD	4,000 gpd	Jan 1-Dec 31	Domestic and irrigation, 4.5 acres	P-11682
18434	12/15/58	Leland H. Domeyer	--	Tributary to Oregon Slough	SW	NW	14	45N	6W	MD	150 af	Oct 1-Mar 30	Recreational and irrigation, 40 acres	P-11935
18457	1/2/59	United States Klamath National Forest	—	Tributary to Indian Creek	NW	SE	14	45N	9W	MD	500 gpd	Apr 1-Dec 31	Stockwatering	P-12056
18458	1/2/59	United States Klamath National Forest	—	Kelly Gulch	NW	NW	17	45N	8W	MD	500 gpd	Apr 1-Dec 31	Stockwatering	P-11975
18557	2/16/59	Wayne Trueblood	—	Shasta River tributary to Klamath River	SE	SE	1	45N	7W	MD	0.35 cfs	Mar 1-Sept 30	Irrigation, 25.2 acres	P-11907
18922	8/19/59	James W. Stevens	—	Emigrant Creek tributary to Mill Creek	NW	NE	34	43N	10W	MD	0.25 cfs	Jun 1-Sept 15	Domestic and irrigation, 30 acres	P-12209

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APPENDIX D

DETAILED DESCRIPTIONS OF CERTAIN SURFACE WATER DIVERSIONS

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APPENDIX D

DETAILED DESCRIPTIONS OF CERTAIN SURFACE WATER DIVERSIONS

Big Springs Irrigation District (Diversion 43N/5W-3R2, Dwinnell Reservoir Subunit)

The Big Springs Irrigation District was organized March 13, 1913, as the Big Springs Water Company. In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, December 30, 1932, the district was granted a right to divert 30.0 cubic feet per second from Big Springs from April 1 to October 1 of each year. This right, as described in paragraph 14 of the Judgment and Decree, was based upon water appropriation notice, dated March 22, 1913, and recorded April 2, 1913, in Book of Water Rights, page 55, Siskiyou County Records.

Water is diverted from Big Springs by a 20-inch pump powered by a 250-horsepower electric motor. The intake is 12 feet of 24-inch steel pipe. The discharge is 44-inch wood stave pipe, 1,468 feet in length. The pump, rated at 14,400 gallons per minute, operates under a static head of 58 feet.

The present service area, as shown on sheet 6 of Plate 2, consists of 3,586 acres. Irrigated lands comprise primarily alfalfa and mixed pasture, as shown in Table 7. An additional 64 acres within the boundary of the district were irrigated by diversion 43N/5W-3R1, during 1958.

Edson-Foulke Yreka Ditch Company (Diversions 41N/5W-9P1, Weed Subunit; 41N/5W-6D1, Parks Creek Subunit; 42N/6W-10G1, Grenada Subunit)

The Edson-Foulke Yreka Ditch Company is successor to the Edson-Foulke Company, the Shasta River Canal Company, the

Yreka Water Company and the Yreka Ditch Company.

In 1854, the Yreka Ditch Company began construction of a ditch to bring water from Shasta River, Parks Creek, and other intermediate streams to the mines in and around the town of Yreka. The main diversion point from Shasta River, 41N/5W-9P1 (Weed Subunit), is about 30 air miles southeast of Yreka. However, a survey showed that approximately 95 miles of ditch would have to be built to cover this distance. The undertaking proved to be financially impossible for the backers of the Yreka Ditch Company. The unpaid workers, determined to complete the project, formed the Yreka Water Company, finished the ditch, and delivered water to Yreka Flats in 1856. Through the years, the ditch has been given such names as the "Big Ditch," the "China Ditch," and the "Yreka Ditch."

Today this ditch is known as the "Edson-Foulke Yreka Ditch." Water from Shasta River diverted by this ditch is supplemented by water from Parks Creek diverted by a second ditch (41N/5W-6D1) known as the Edson-Foulke Ditch.

Diversion facilities on Shasta River consist of a log and rock dam, 2 feet high by 30 feet long, diverting through a concrete diversion box and Parshall flume. The ditch, approximately 6 feet in width and 3 feet deep, flows 4 miles from the Shasta River to the Parks Creek diversion. Here the ditch enlarges to 8 feet in width and is 4 feet in depth for the remaining 8 miles to the point where the water flows down the hillside to the primary distribution canal called the "Webb Lateral." Additional

water is diverted from Willow Creek into the Webb Lateral by an earth dam (42N/6W-10G1) which is built and removed annually.

Paragraph 116 of the Shasta River Adjudication Proceedings No. 7035, Siskiyou County Superior Court, December 30, 1932, entitles the company to divert from Shasta River at diversion point 41N/5W-9P1 (Weed Subunit), 21.15 cubic feet per second from March 1 to November 1, and 4.55 cubic feet per second from November 1 to March 1. The company can divert, from Parks Creek, 7.45 cubic feet per second, March 1 to November 1, at diversion point 41N-5W-6D1 (Parks Creek Subunit). In addition, 7.45 cubic feet per second and 228 acre-feet storage are allotted to the company from either Shasta River or Parks Creek, or in part from both sources, between November 1 to March 1, via the above-mentioned points of diversion.

Paragraph 117 entitles the company to divert from Shasta River, at diversion point 41N/5W-9P1 (Weed Subunit), 1.75 cubic feet per second from March 1 to November 1, and 0.40 cubic foot per second from November 1 to March 1. The company can divert from Parks Creek, at diversion point 41N/5W-6D1 (Parks Creek Subunit), 0.60 cubic foot per second March 1 to November 1. In addition, 0.60 cubic foot per second is allotted to the company from either Shasta River or Parks Creek, or in part from both sources, between November 1 to March 1 at the above-mentioned points of diversion.

Paragraph 118 entitles the company to divert from Willow Creek, at diversion point 42N/6W-10G1 (Grenada Subunit) where the Webb Lateral intercepts Willow Creek, 2.10 cubic feet

per second from March 1 to November 1, and 0.70 cubic foot per second from November 1 to March 1, in lieu of amounts of water allotted from Shasta River and Parks Creek under Paragraph 117.

Grenada Irrigation District
(Diversion 43N/5W-6D1, Grenada Subunit)

The Grenada Irrigation District was originally organized as the Lucerne Water Company to supply irrigation water to about 4,000 acres located southwest of Grenada. In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, December 30, 1932, the district was granted a right to divert 40 cubic feet per second from the Shasta River, April 1 to October 1 of each year. This right was based upon Permit No. 501, issued by the Division of Water Rights to the Lucerne Water Company on its Application No. 448, filed August 28, 1916.

The first unit of the pumping plant, having a capacity of 12,500 gallons per minute, was installed and began pumping in April or May 1917. A second pump, rated at 10,000 gallons per minute, was added and started pumping on July 1, 1918.

The district diverts from the river through 1,000 feet of canal used jointly with the Huesman Ditch. A masonry dam is maintained in the river to divert water into the canal, where two 18-inch pumps lift it 72 feet, through 720 feet of 44-inch wood stave pipe to the main canal. It then flows by gravity through 13 miles of unlined earth canal.

The present service area, as shown on sheets 5 and 8 of Plate 2, consists of 1,858 acres, of which 1,322 acres were irrigated during 1958.

Montague Water Conservation District (Diversion 43N/5W-25L1, Dwinnell Reservoir Subunit)

The Montague Water Conservation District, formerly the Montague Irrigation District, was organized May 5, 1925, after the dissolution of the Klamath-Shasta Valley Irrigation District. The latter district was organized in 1921 for the purpose of diverting Klamath River water into Shasta Valley. The costs of diverting such water were found to be excessive, and no action was taken to develop the project. The district was dissolved by the Siskiyou County Superior Court on January 23, 1924.

The Montague Irrigation District was then organized, and Shasta River Dam was constructed, forming Dwinnell Reservoir, with an effective storage capacity of about 34,000 acre-feet. The dam is 1,265 feet long by 98 feet high. The capacity was increased in March 1955 to 50,000 acre-feet, after a rubble berm was added to the toe of the dam. Canals were constructed for the purpose of delivering the water to farms in the vicinity of Montague, the main canal being 35 miles long.

Dwinnell Reservoir receives additional water from Parks Creek by diversion 42N/5W-29Q1. This diversion irrigated 5848 acres in 1958 of which 611 acres received additional water from 45N/5W-25B2 and 86 acres received additional water from 45N/6W-8F1 (Little Shasta Subunit). Prior to 1958, 919 acres were irrigated by 42N/5W-29Q1 of which 36 acres received additional water from 45N/5W-25B2.

In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, Paragraph 287, December 30, 1932, the district was granted a right to impound 35,000 acre-feet per season

in Dwinnell Reservoir, based upon permit 2452, issued by the Division of Water Rights. An additional right to divert 14,000 acre-feet from Parks Creek into the Shasta River above the reservoir was granted in Paragraph 288. This right was based upon Division of Water Rights permit 2453. The gross area of the district was 20,559 acres in 1958 (4,830 acres in Dwinnell Reservoir Subunit, and 15,729 acres in Little Shasta Subunit), of which 5,934 acres were irrigated.

Scott Valley Irrigation District
(Diversions 41N/9W-2B1, Callahan Subunit,
and 43N/9W-3H1, Lower Scott Valley Subunit)

The Scott Valley Irrigation District was organized on July 7, 1917. License No. 441, in the amount of 62.5 cubic feet per second, was issued by the Division of Water Rights in response to Application No. 512, filed by J. A. Matthews, November 2, 1916. The right was assigned to the Scott Valley Irrigation District on October 20, 1917.

Diversion facilities located 3 miles southeast of Etna in Callahan Subunit include a concrete and flashboard dam approximately 2 feet high and 50 feet long, with an earth wing wall. Water is diverted into the main canal and transported along the eastern edge of the valley approximately 16 miles to Fort Jones.

The portion of the district in Lower Scott Valley Subunit is supplied with water by two 12-inch pumps, one powered by a 50-horsepower and the other by a 100-horsepower electric motor located 1 mile west of Fort Jones on the Scott River. Water is pumped through a 30-inch steel pipe, three-quarters of a mile to the lower canal. This canal was previously connected to the main

canal by one-half mile of inverted siphon, which was damaged when the highway to Etna was relocated. Permit No. 11768 for 25 cubic feet per second has been issued by the Water Rights Board in response to Application No. 17997, filed by the district on February 11, 1958.

Shasta River Water Users Association
(44N/6W-3N1, Little Shasta Subunit)

The Shasta River Water Users Association is a mutual water company organized in 1912. About 4,000 acres lying north of Grenada and west of the Shasta River were subdivided on a "land settlement" plan, where the cost of building, implements, stock, etc., was incorporated into the purchase price of the land.

In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, Paragraph 341, December 30, 1932, the association was granted a right to divert 42 cubic feet per second from the Shasta River, based upon a water appropriation notice dated November 23, 1912, and recorded December 4, 1912, in Book 7 of Water Rights, page 49, Siskiyou County Records.

Water is pumped uphill by two pumps on the west bank of Shasta River 3 miles north of Grenada. The pipelines discharge at high points near the centers of two canals along the hillside. From these points, the water flows two directions in each canal; north to lands in Little Shasta Subunit and south to lands in Grenada Subunit.

The High Line Unit is a 12-inch pump rated at 13.95 cubic feet per second with a 225-horsepower electric motor, pumping through 1,970 feet of 24-inch wood stave pipe, discharging into the High Line Canal.

The Low Line Unit is a 16-inch pump rated at 28.1 cubic feet per second with a 360-horsepower electric motor, pumping through 1,703 feet of 36-inch diameter wood stave pipe, discharging into the Low Line Canal.

The gross area within the boundary, as shown on sheets 2 and 5 of Plate 2, is 6,593 acres (2,199 acres in Grenada Subunit, and 4,394 acres in Little Shasta Subunit), of which 4,259 acres were irrigated in 1958.